

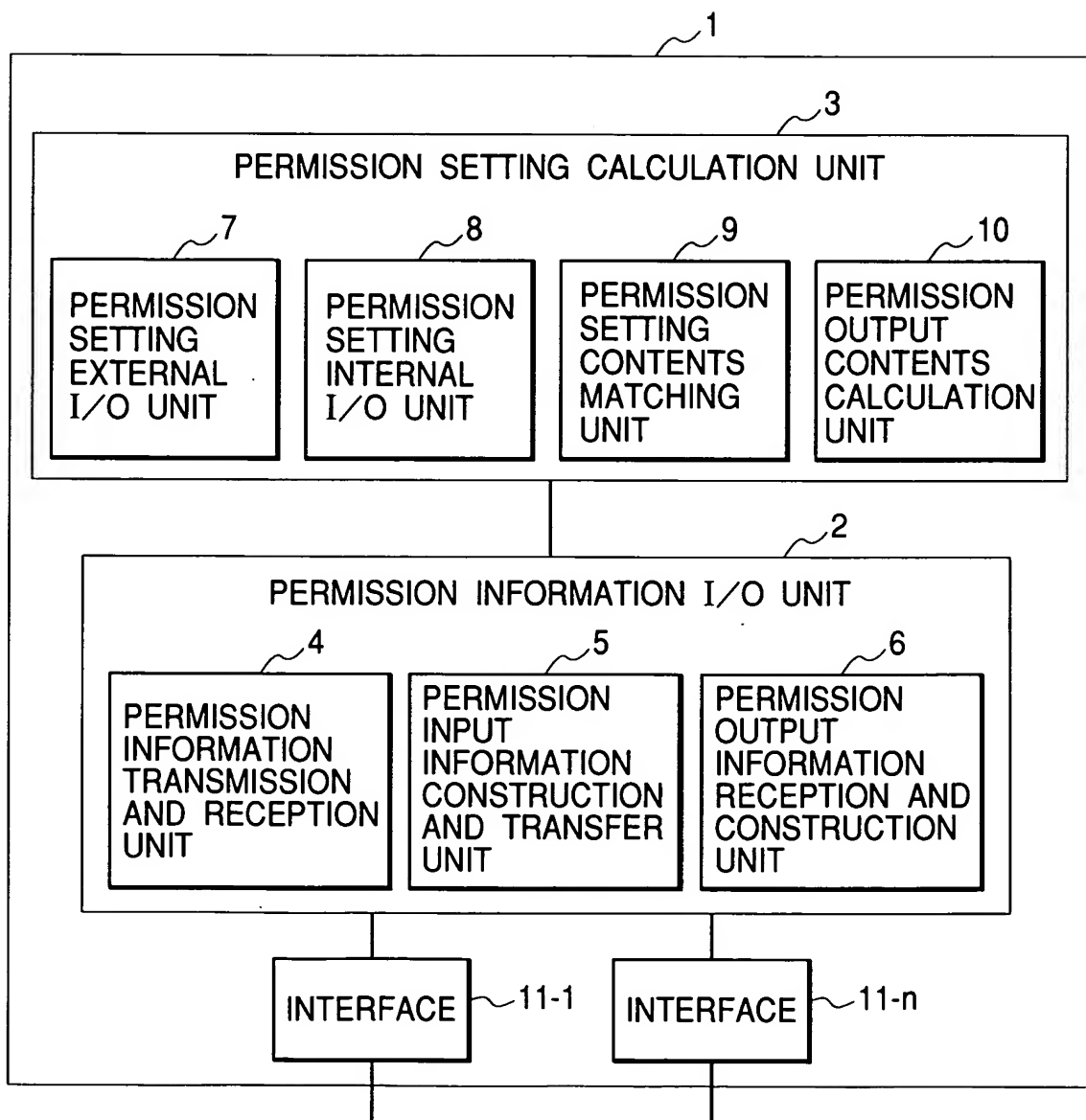
FIG. 1

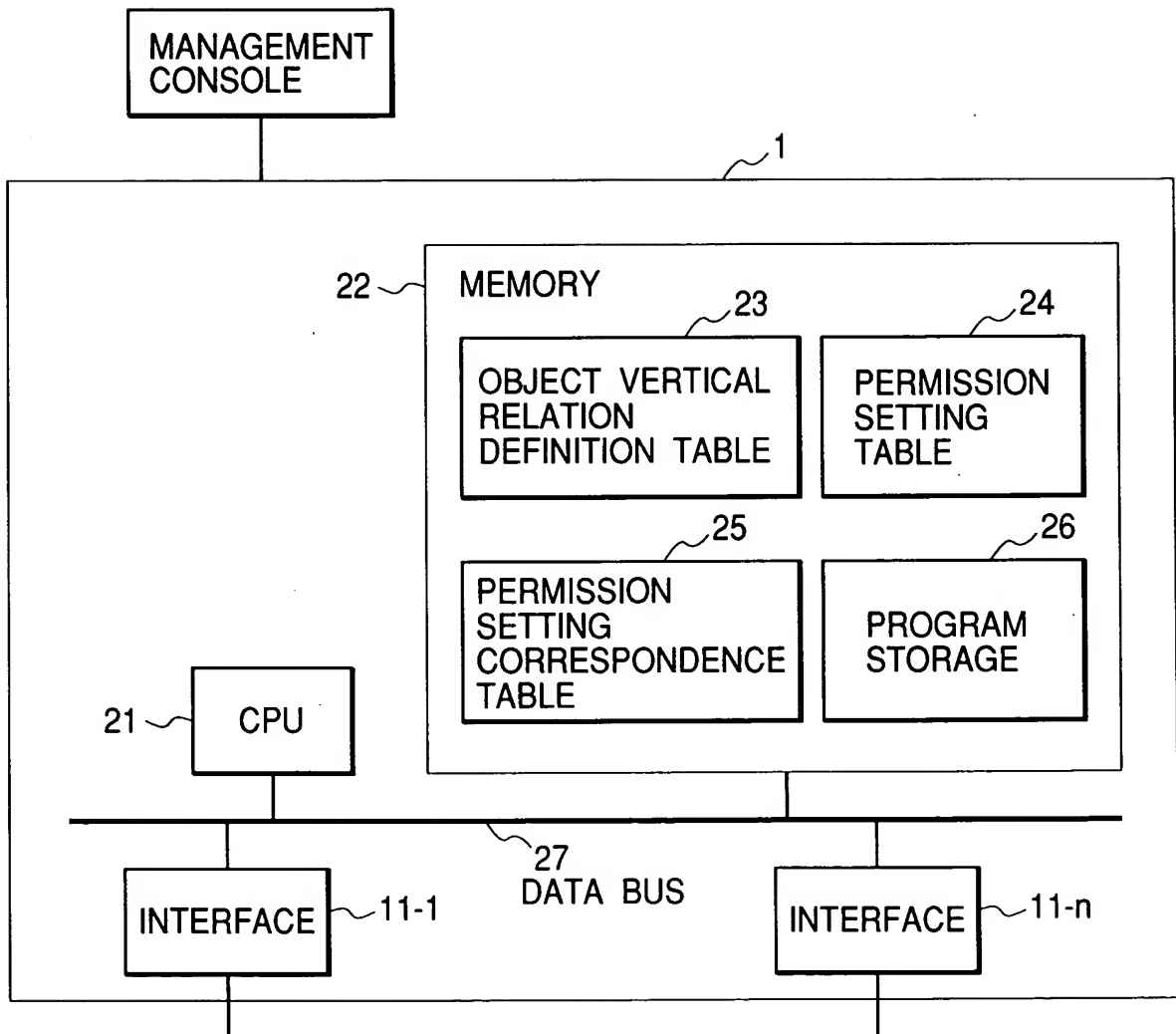
FIG. 2

FIG. 3

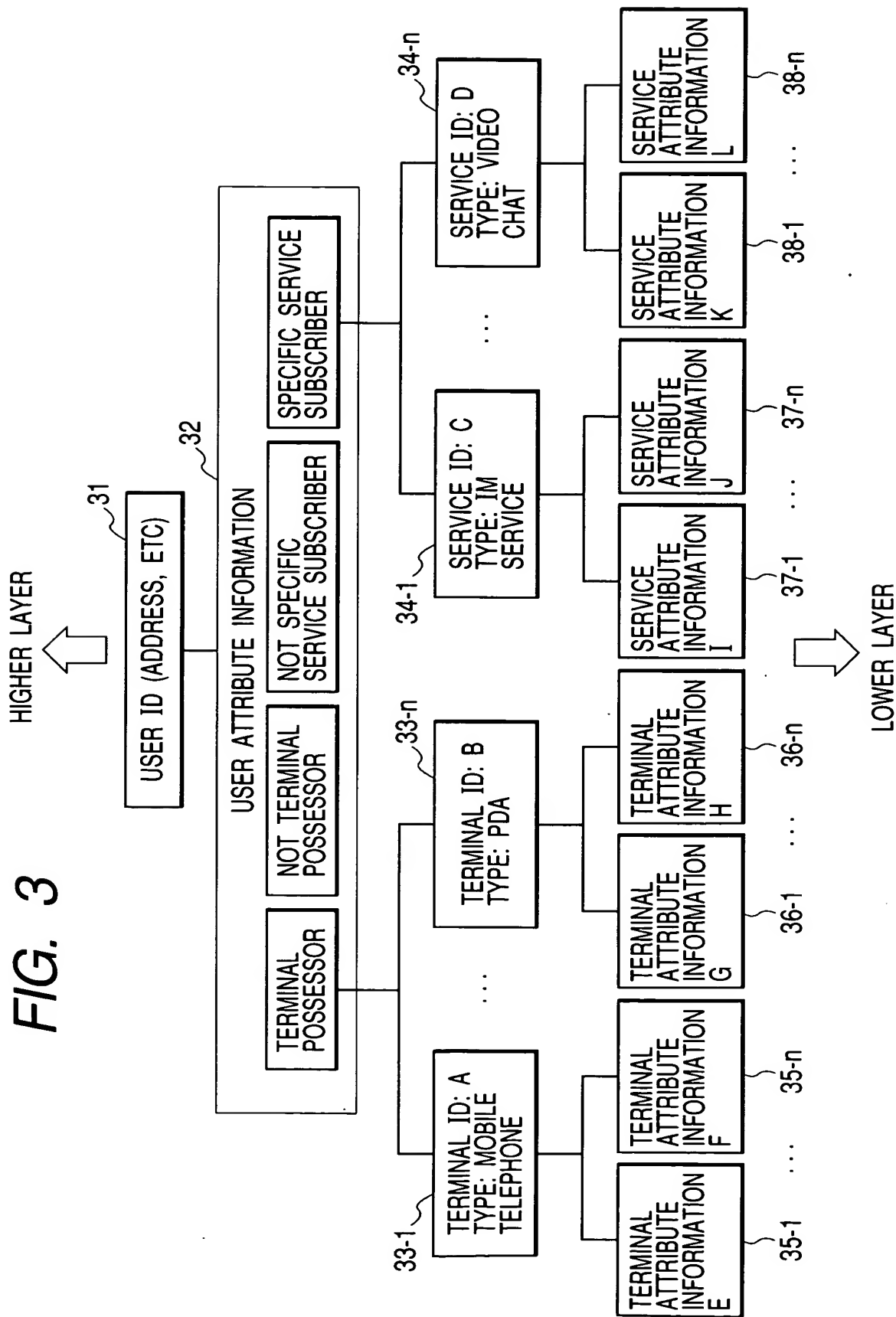


FIG. 4

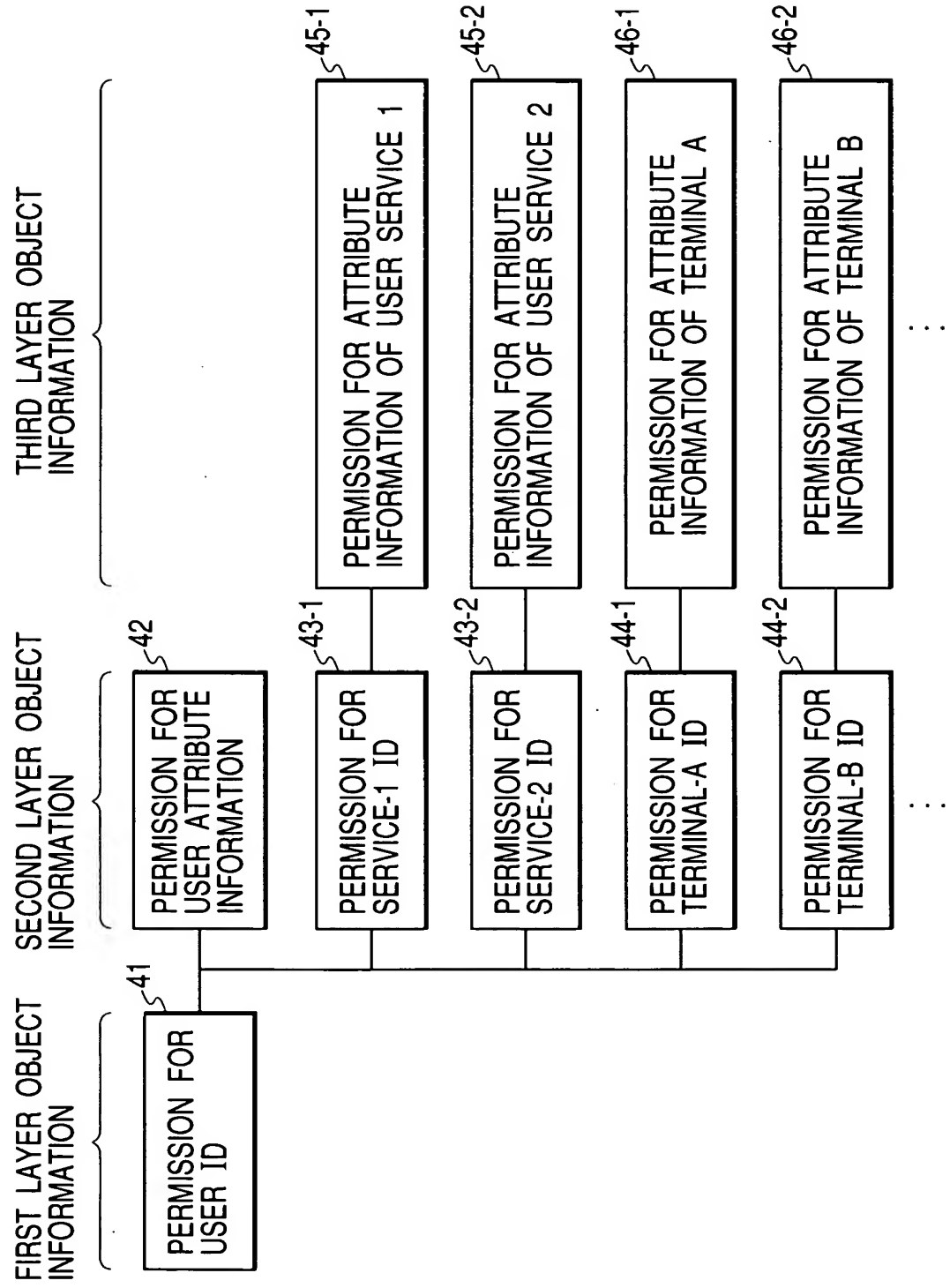


FIG. 5

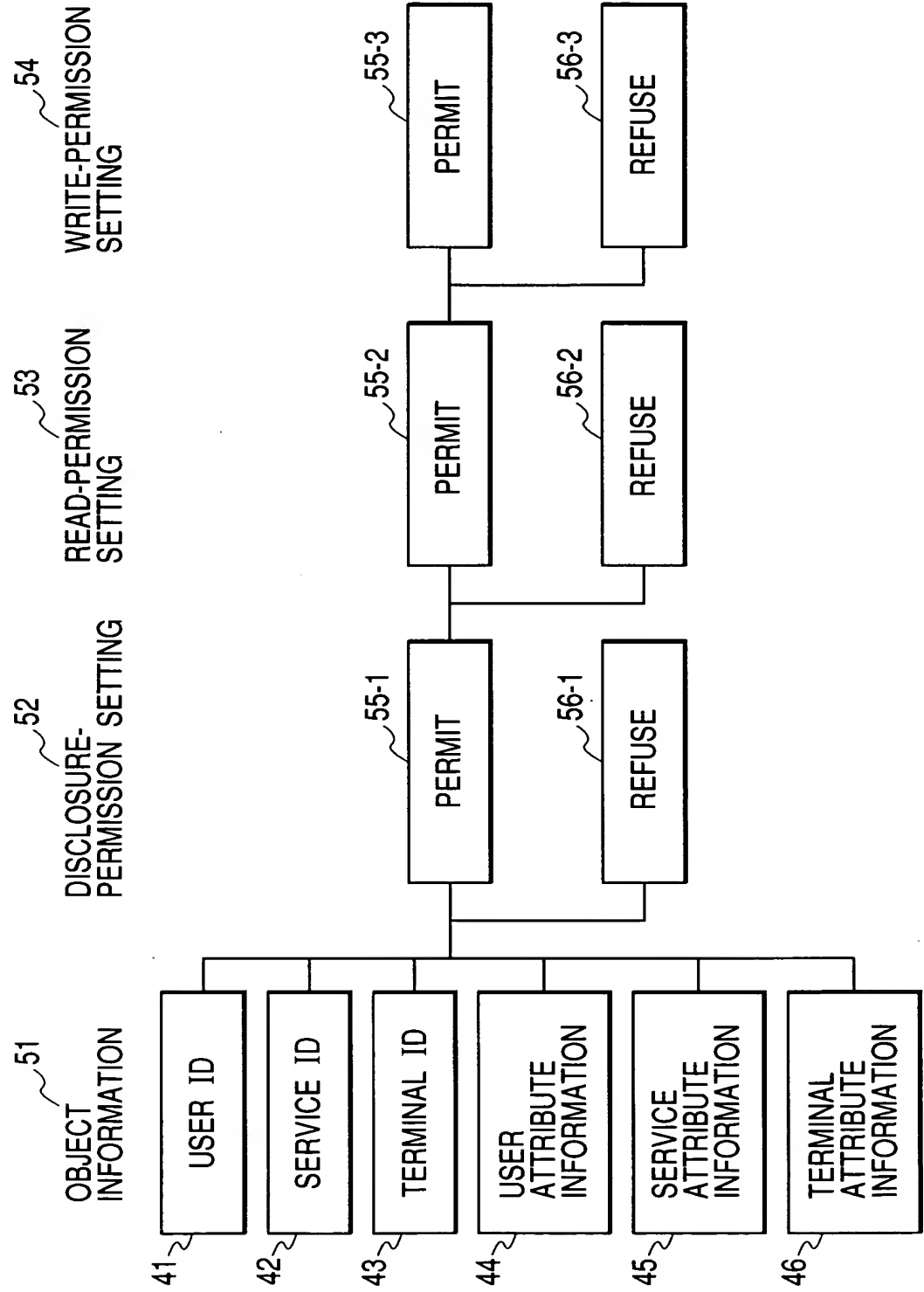


FIG. 6

61

62 INFORMATION OPEN USER NAME	63 INDEX
USER A	1
USER B	2
USER C	3
.

FIG. 7

71

INDEX n TABLE	
72 INFORMATION ACCESS USER NAME	73 CONTENTS OF PERMISSION SETTING
USER B	001010101000 . . .
USER F	010001010100 . . .
USER K	. . .
.

FIG. 8

NO.	PERMISSION OBJECT USER INFORMATION
1	USER ID
2	IM SERVICE ID
3	INVITATION MESSAGE FOR IM SERVICE
4	ID OF TERMINAL 1
5	ONLINE STATUS OF TERMINAL 1
...	...

FIG. 9

INFORMATION OPEN USER NAME	INFORMATION ACCESS USER NAME	CONTENTS OF PERMISSION SETTING
USER A	USER B	1010010010...
USER A	USER C	1001001000...
USER A	USER D	1010001000...
...

FIG. 10

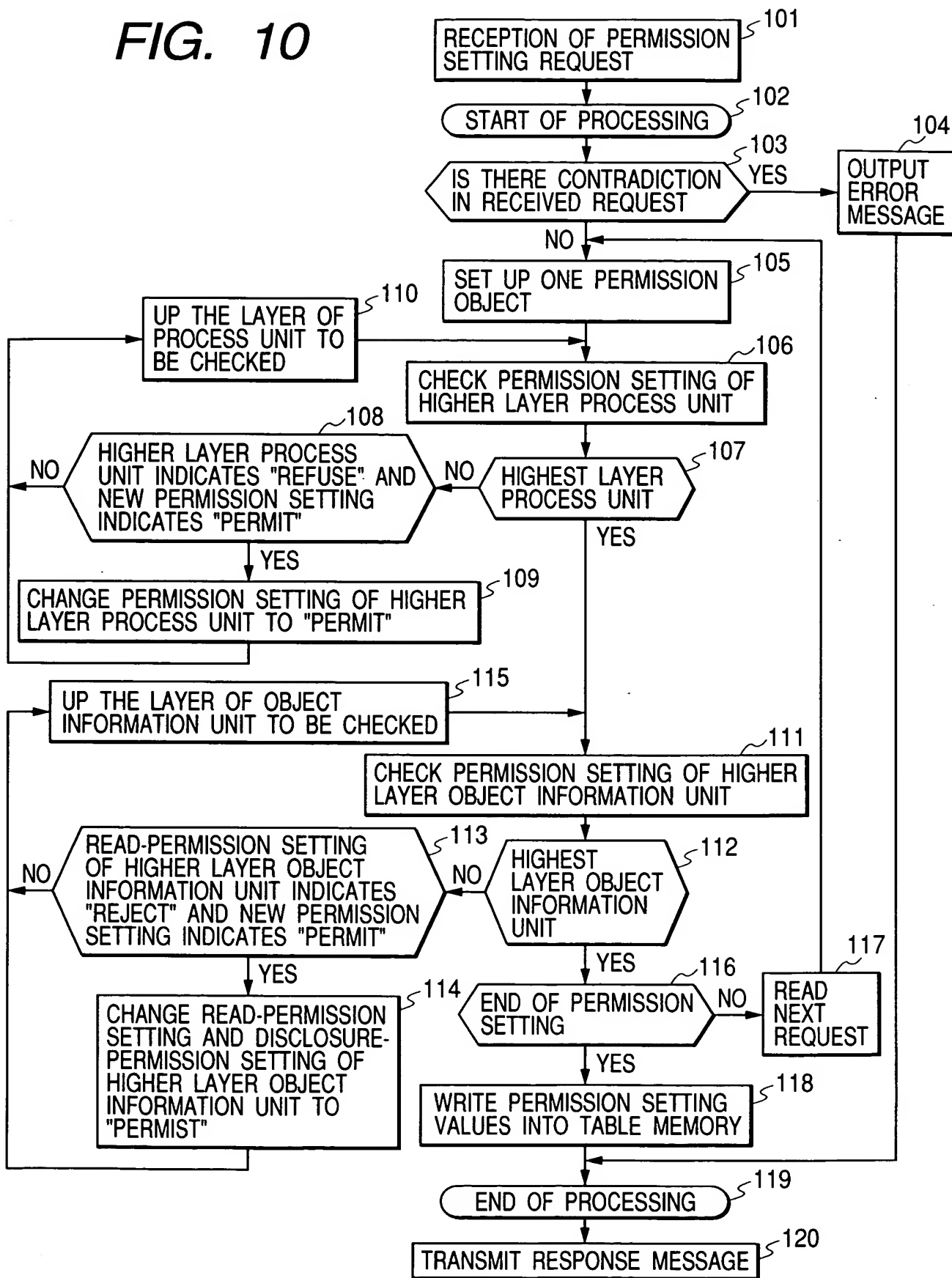


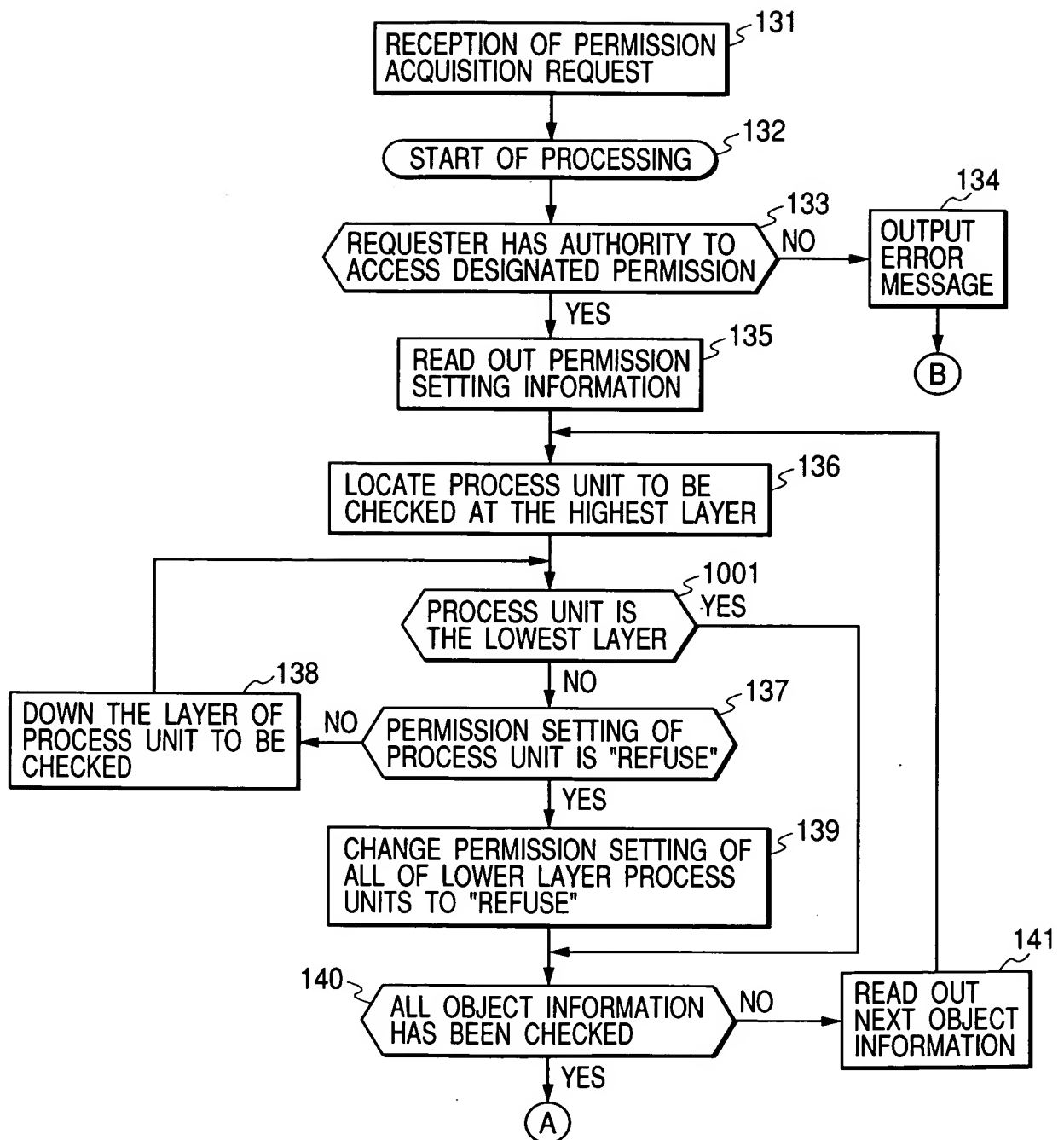
FIG. 11A

FIG. 11B

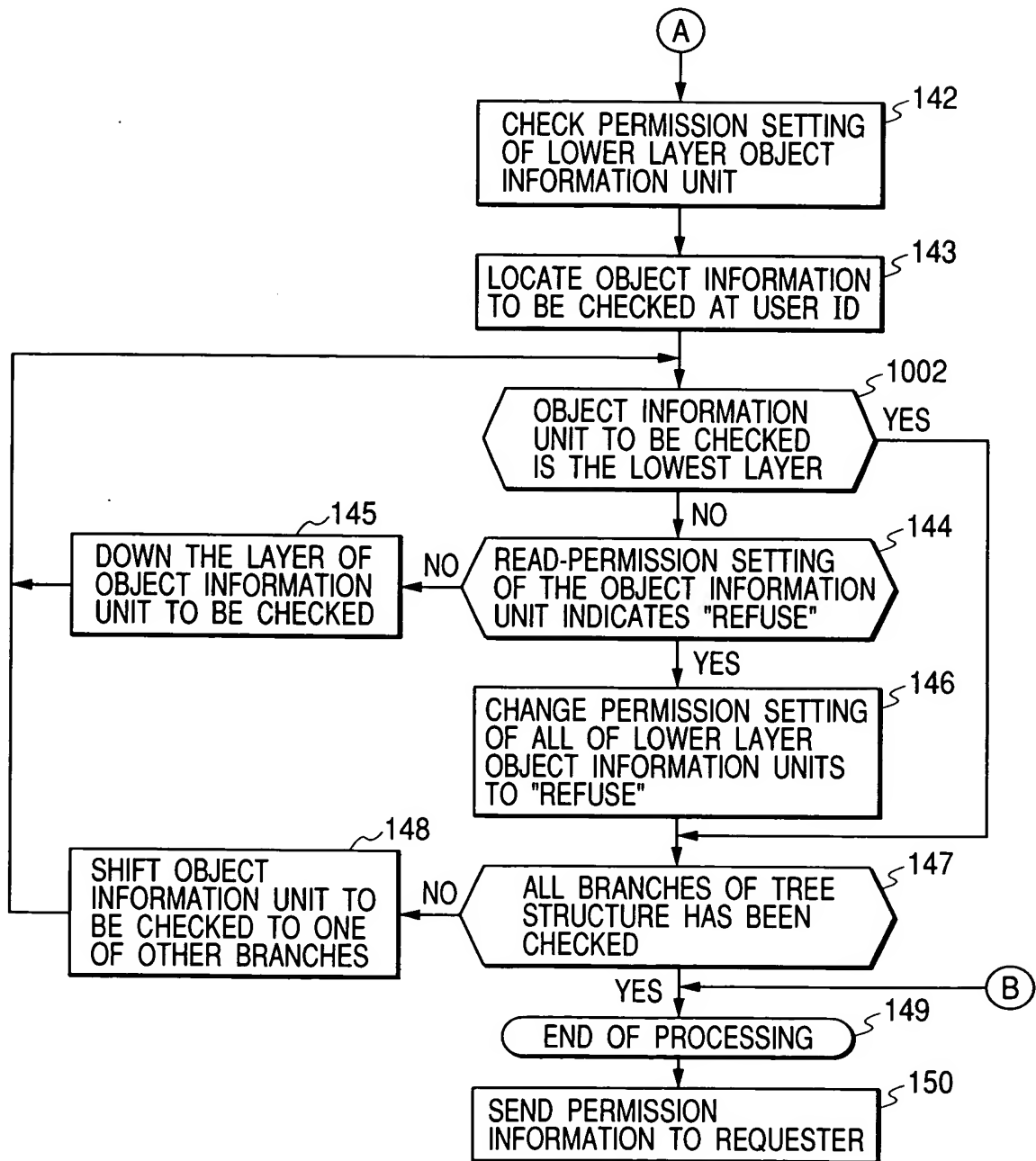


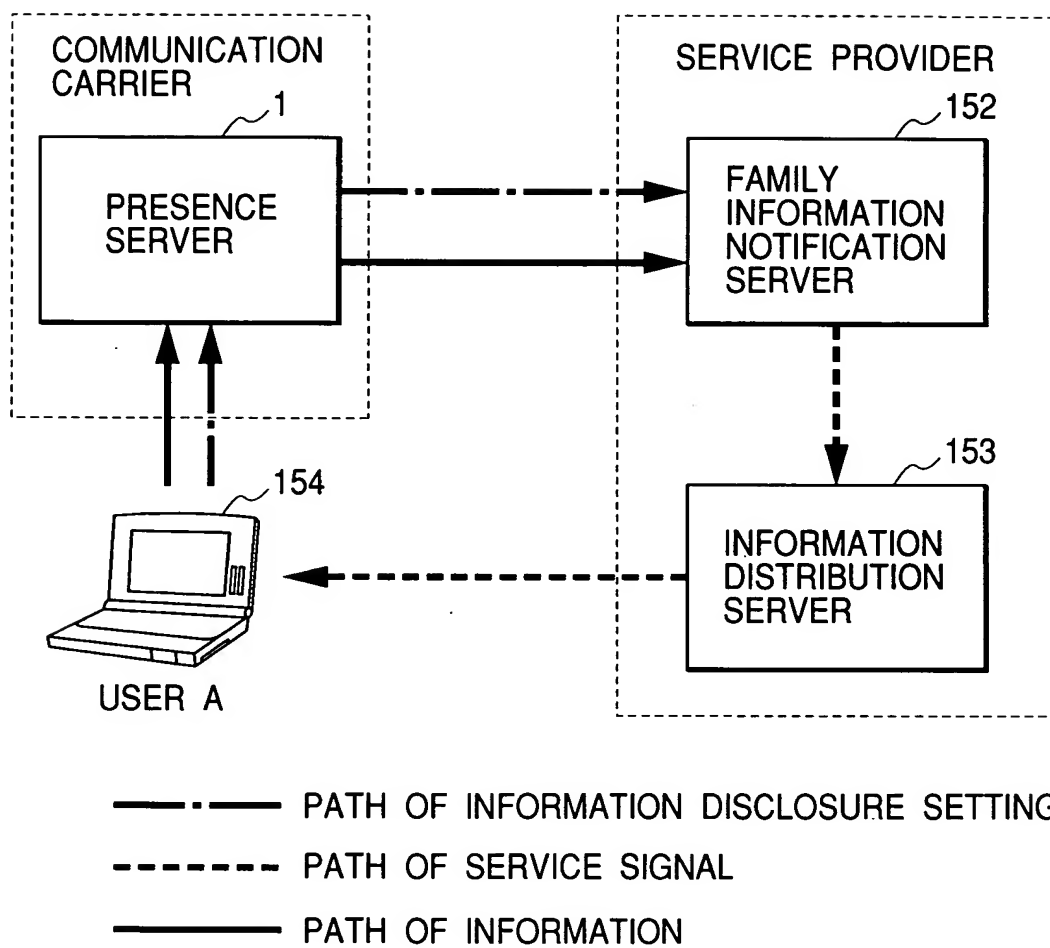
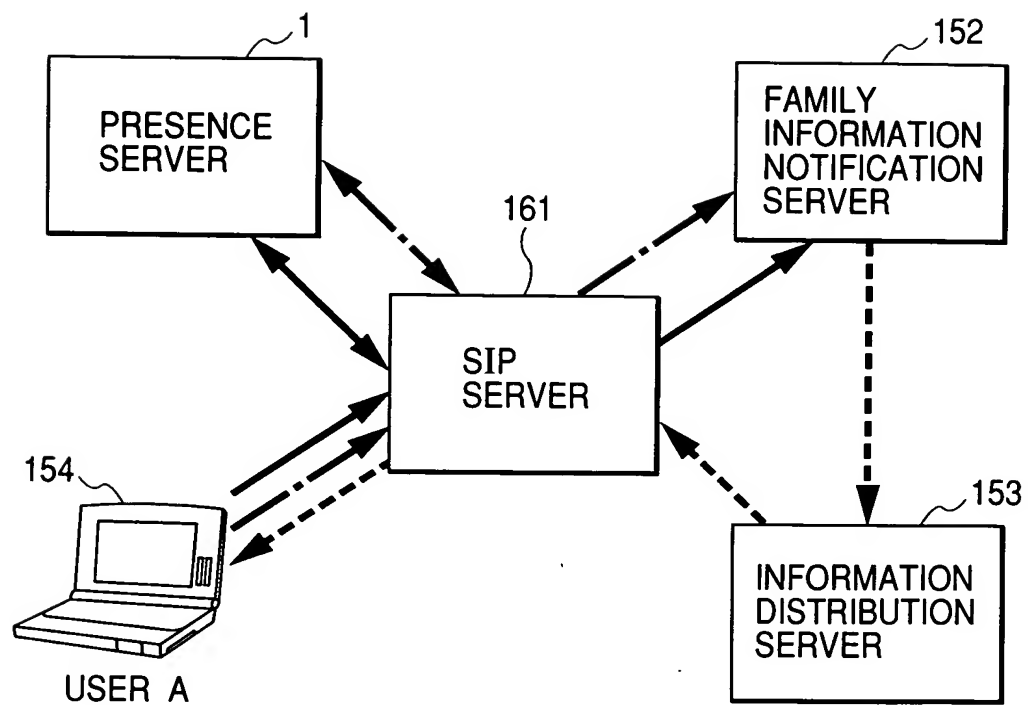
FIG. 12

FIG. 13

— · — · — PATH OF INFORMATION DISCLOSURE SETTING
- - - - - PATH OF SERVICE SIGNAL
————— PATH OF INFORMATION

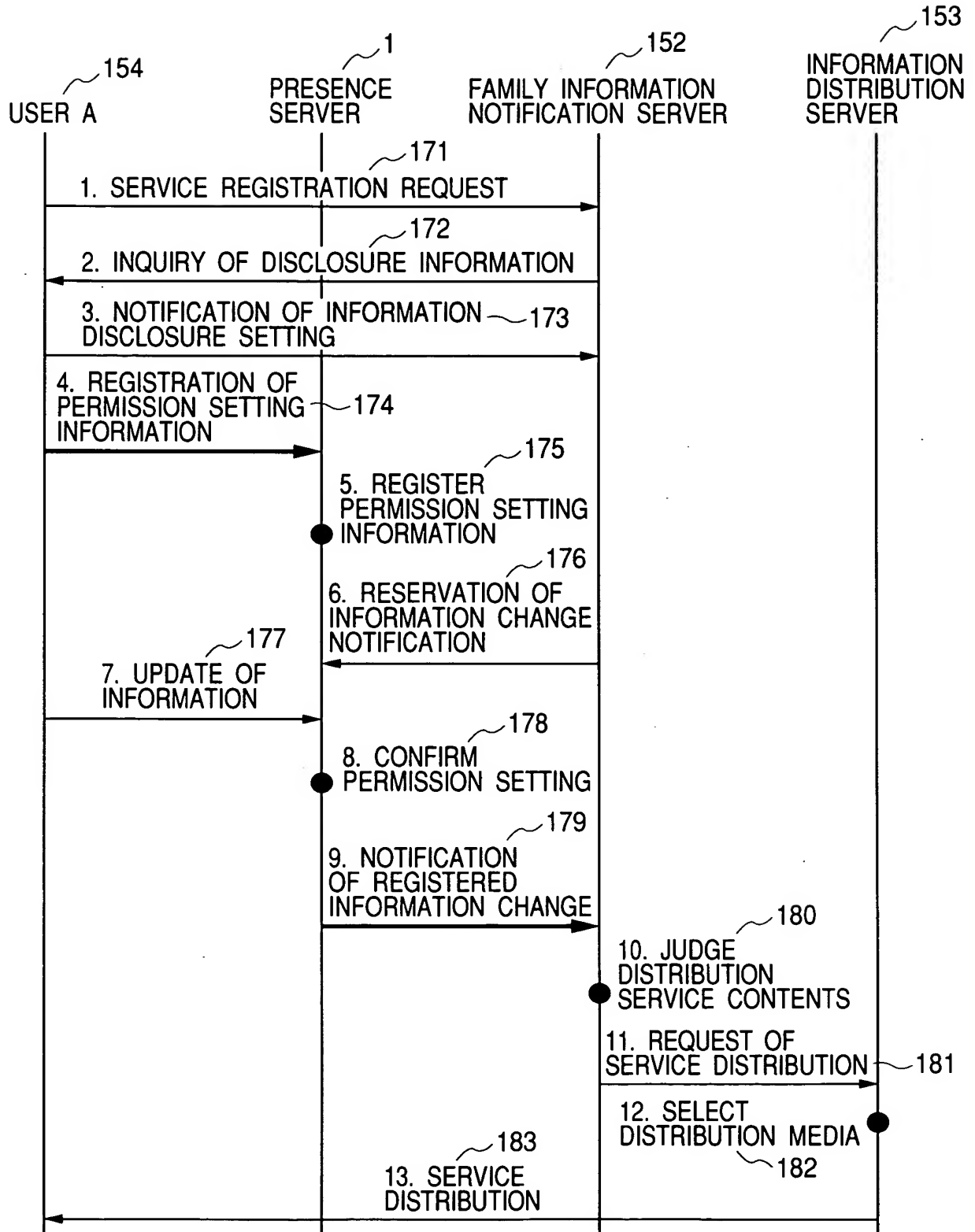
FIG. 14

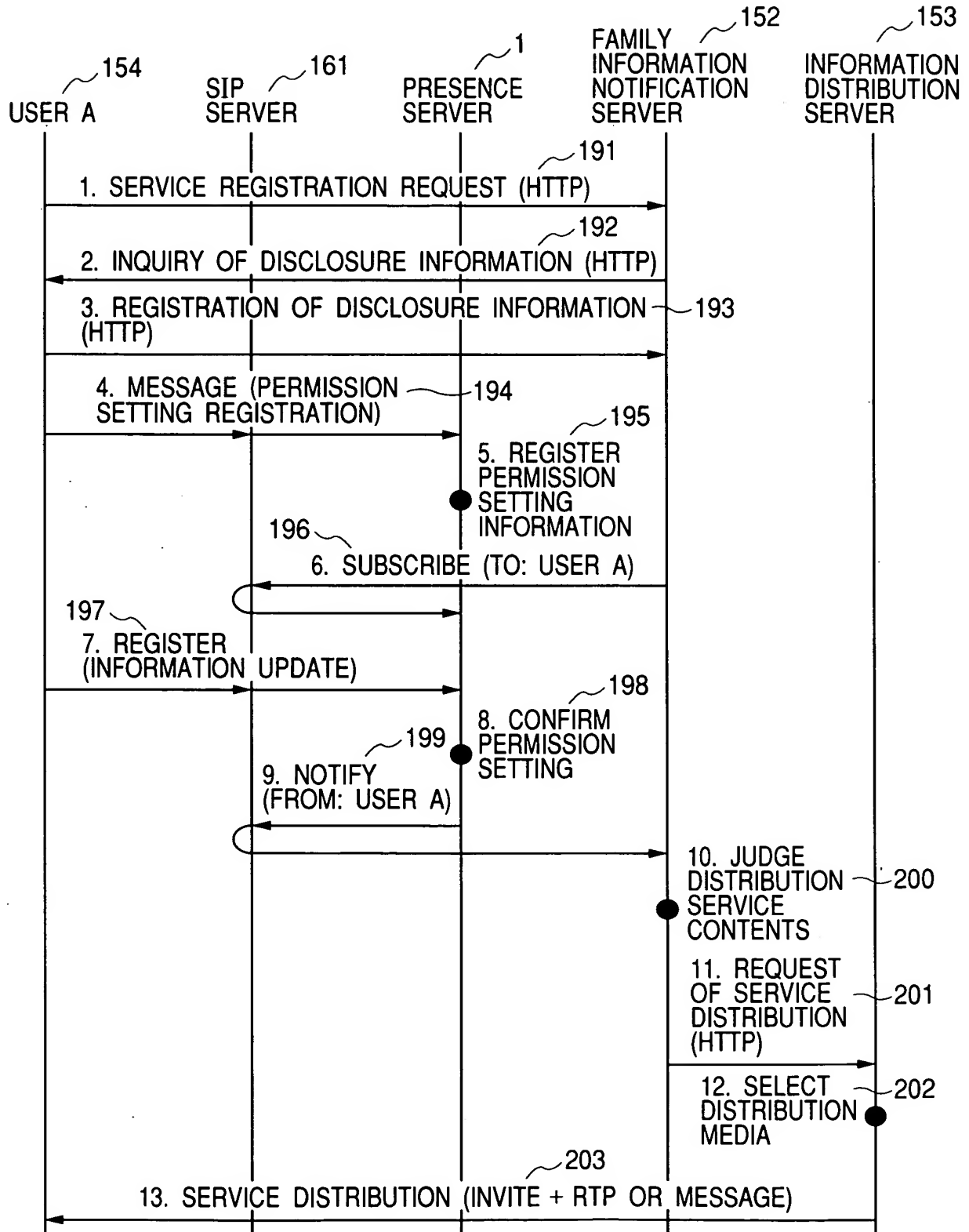
FIG. 15

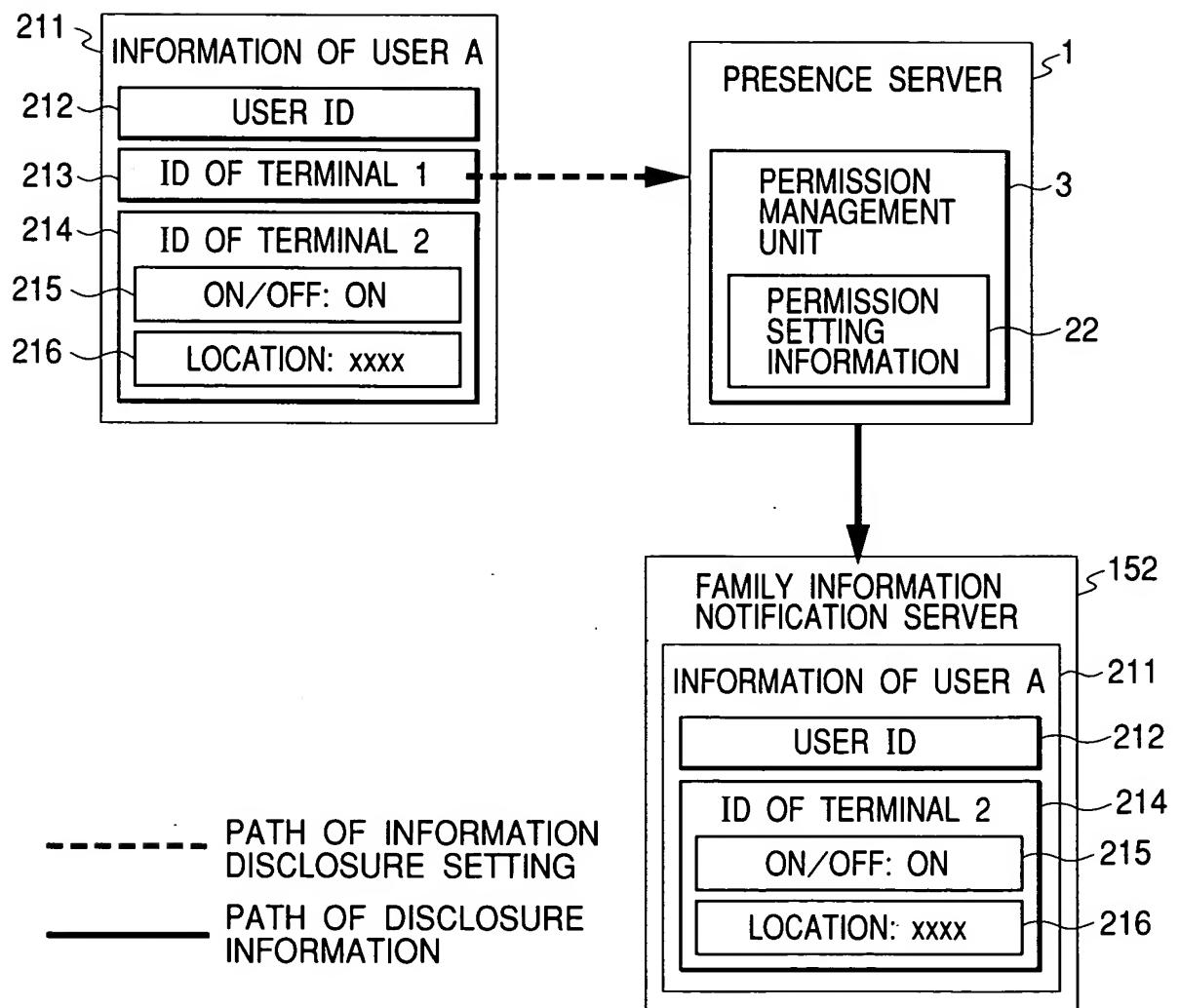
FIG. 16

FIG. 17

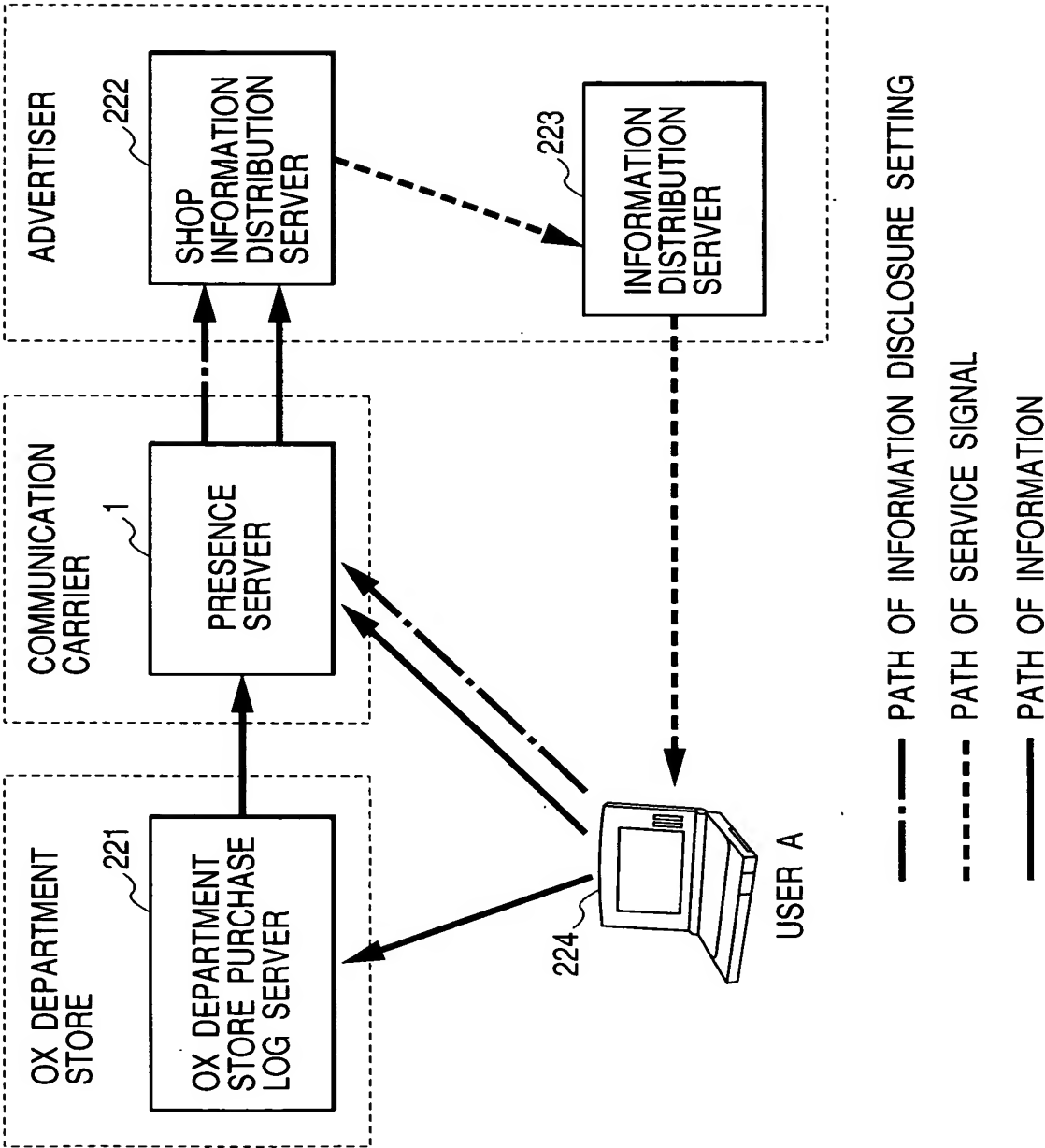


FIG. 18

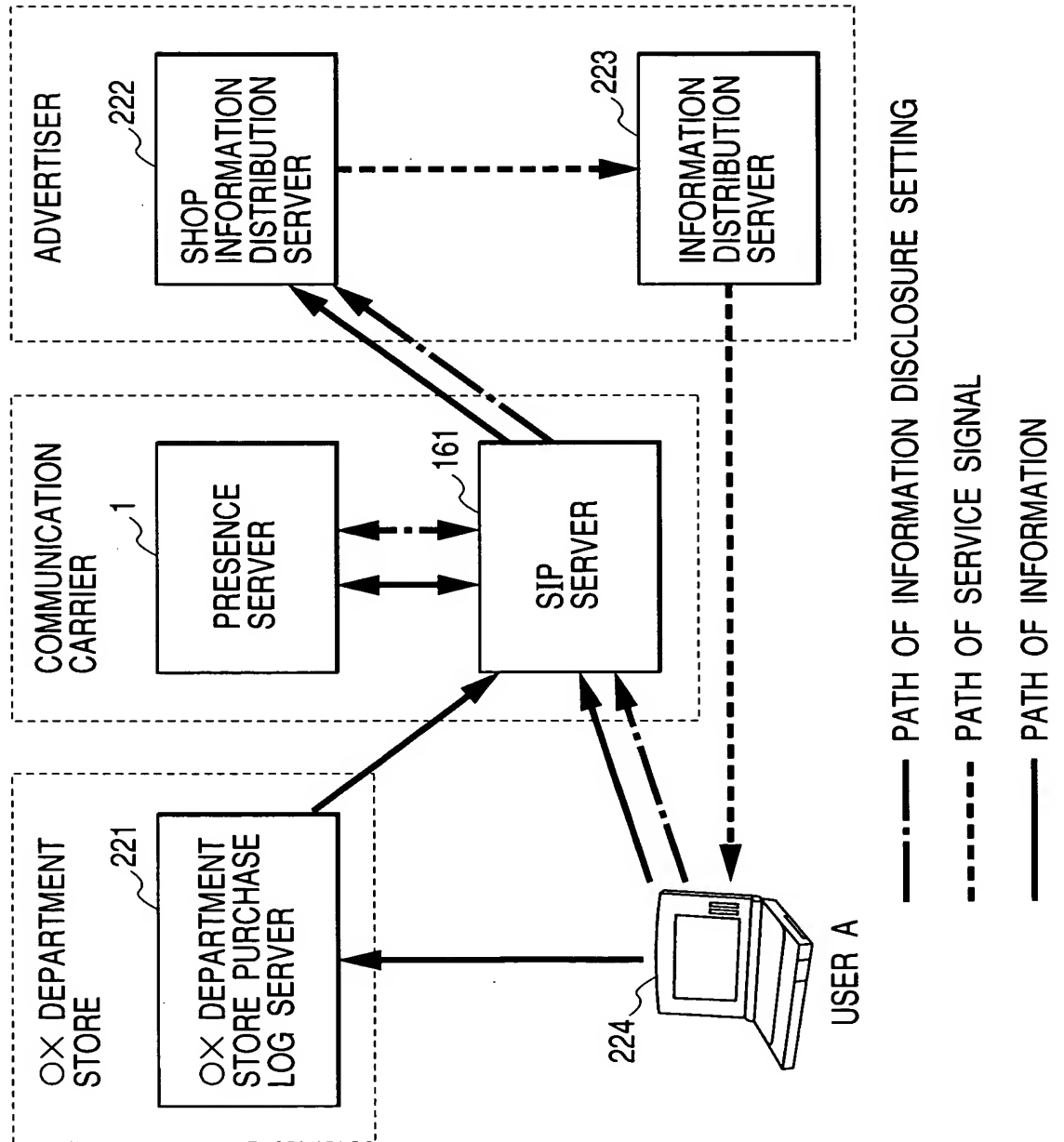


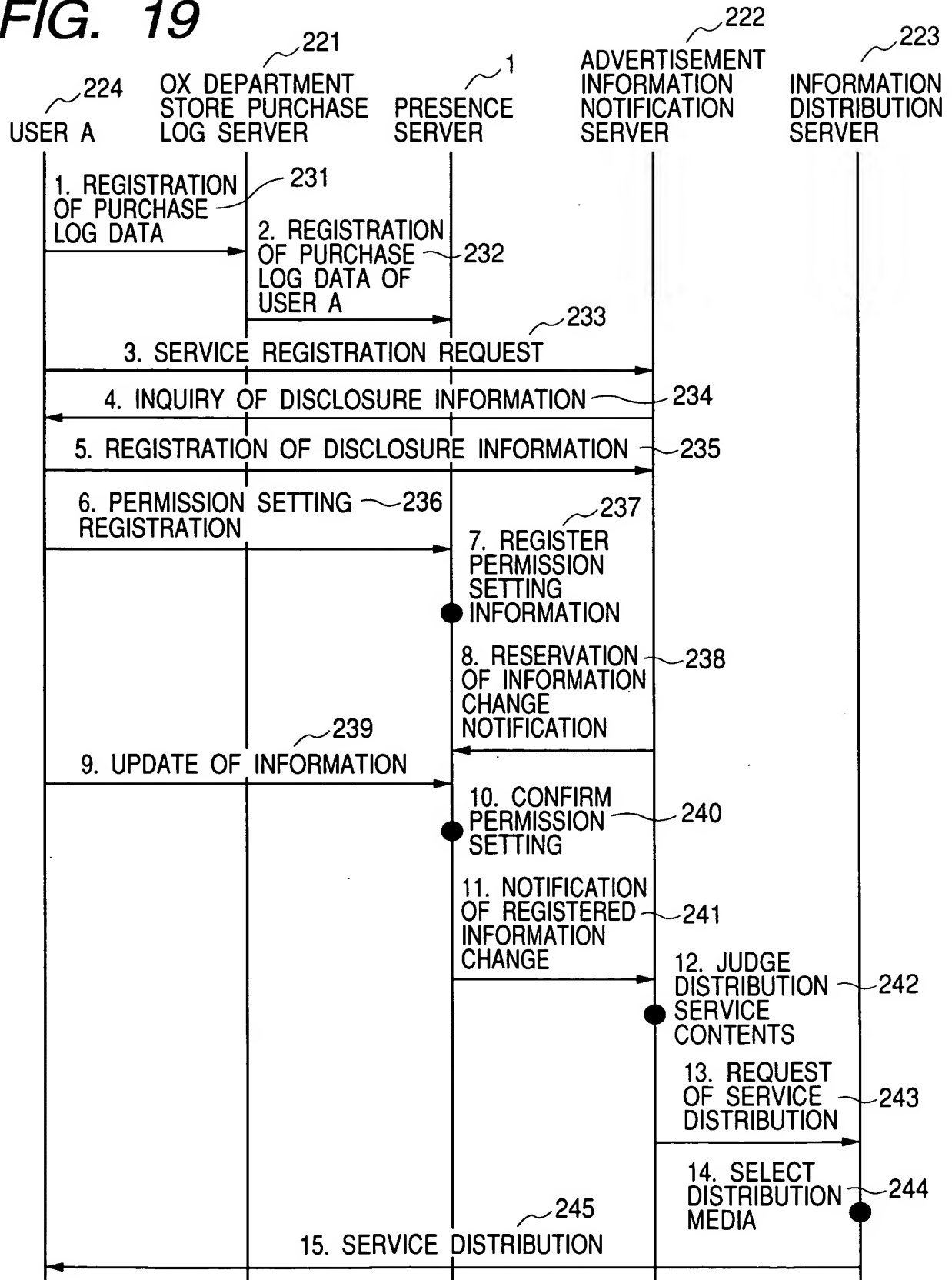
FIG. 19

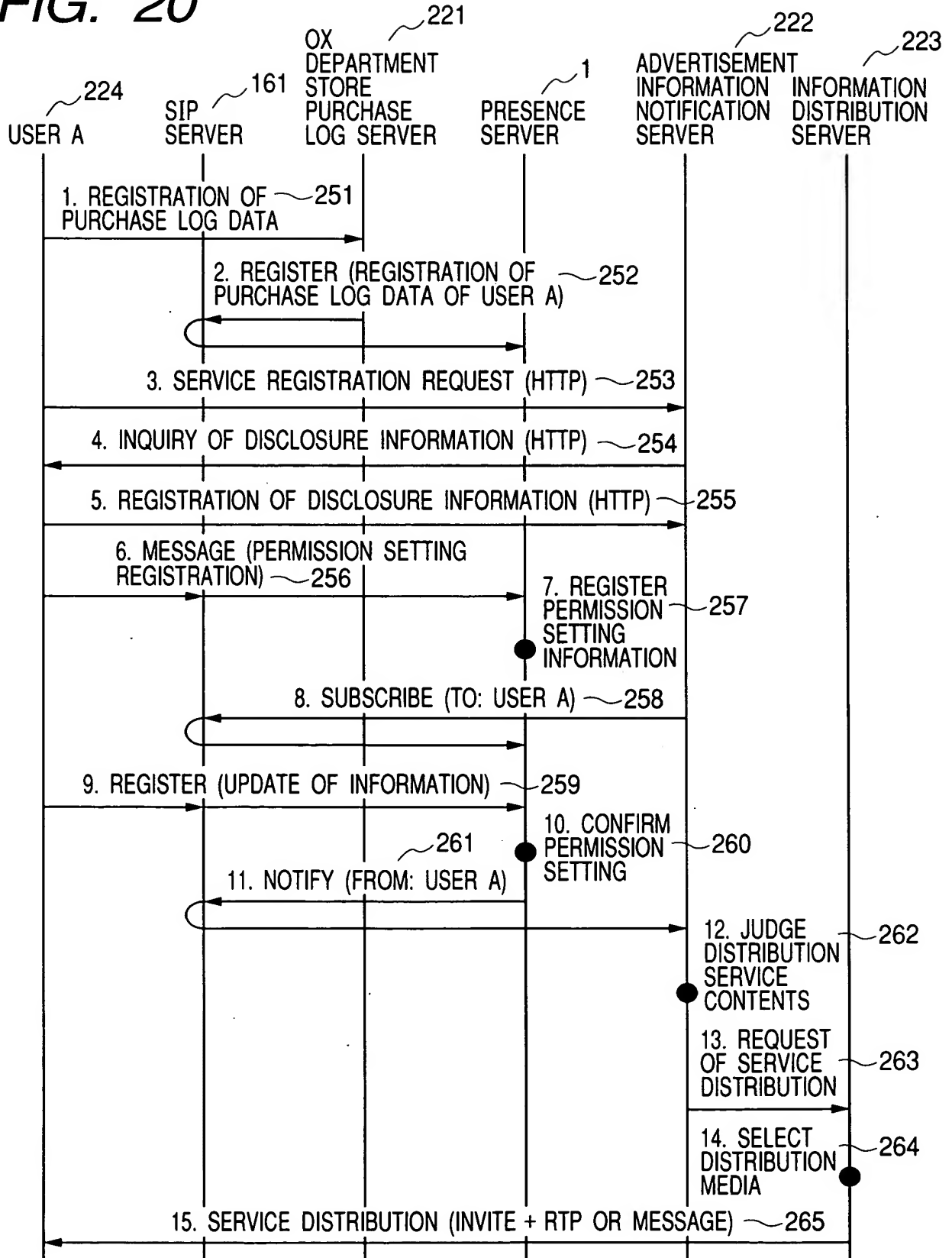
FIG. 20

FIG. 21

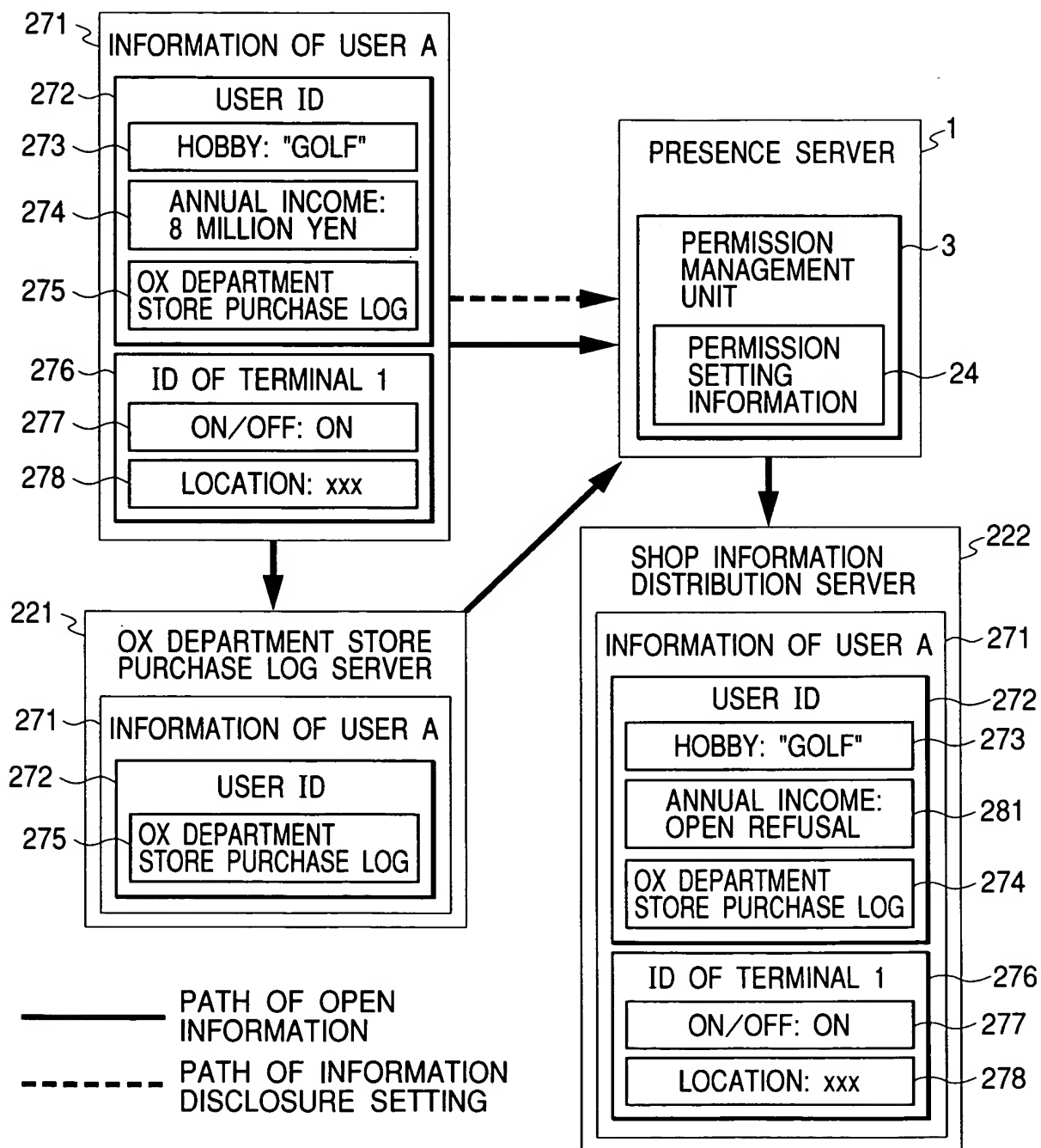
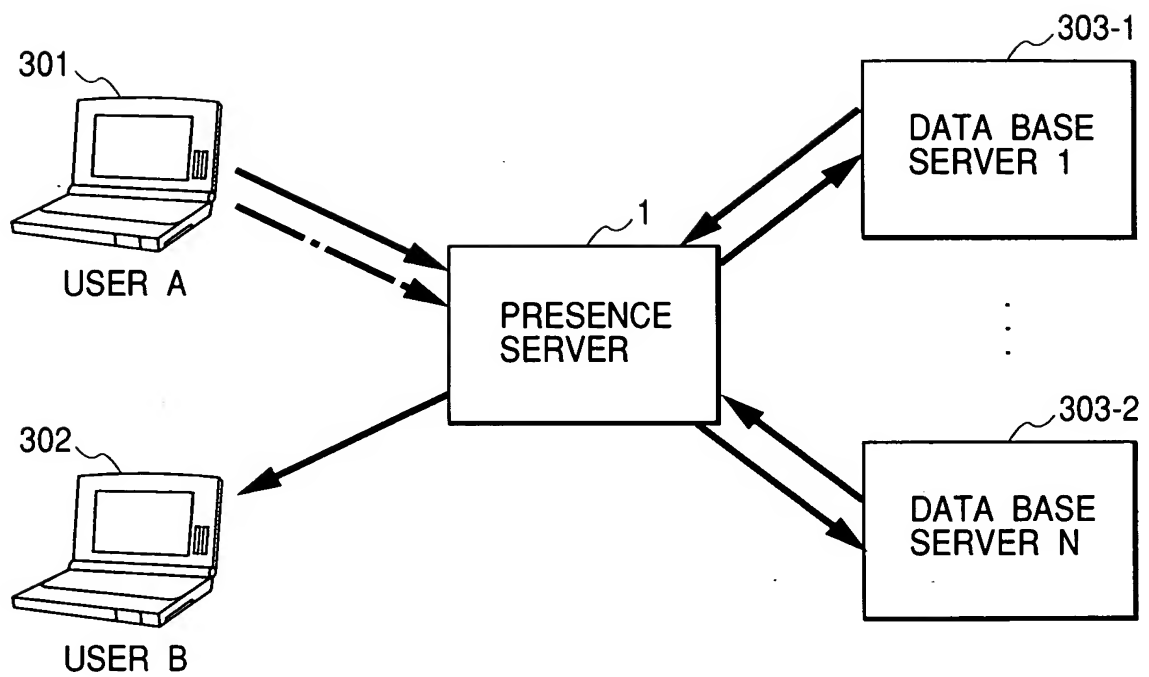


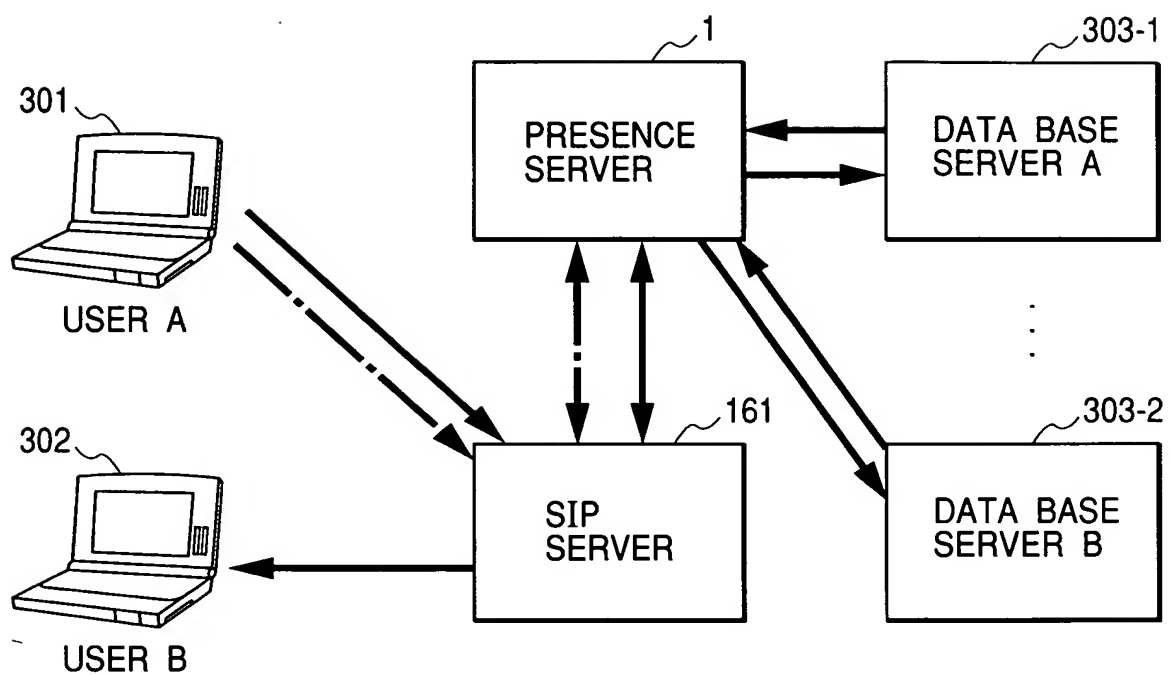
FIG. 22

——— PATH OF INFORMATION DISCLOSURE SETTING

----- PATH OF SERVICE SIGNAL

———— PATH OF INFORMATION

FIG. 23





 PATH OF INFORMATION DISCLOSURE SETTING
 PATH OF SERVICE SIGNAL
 PATH OF INFORMATION

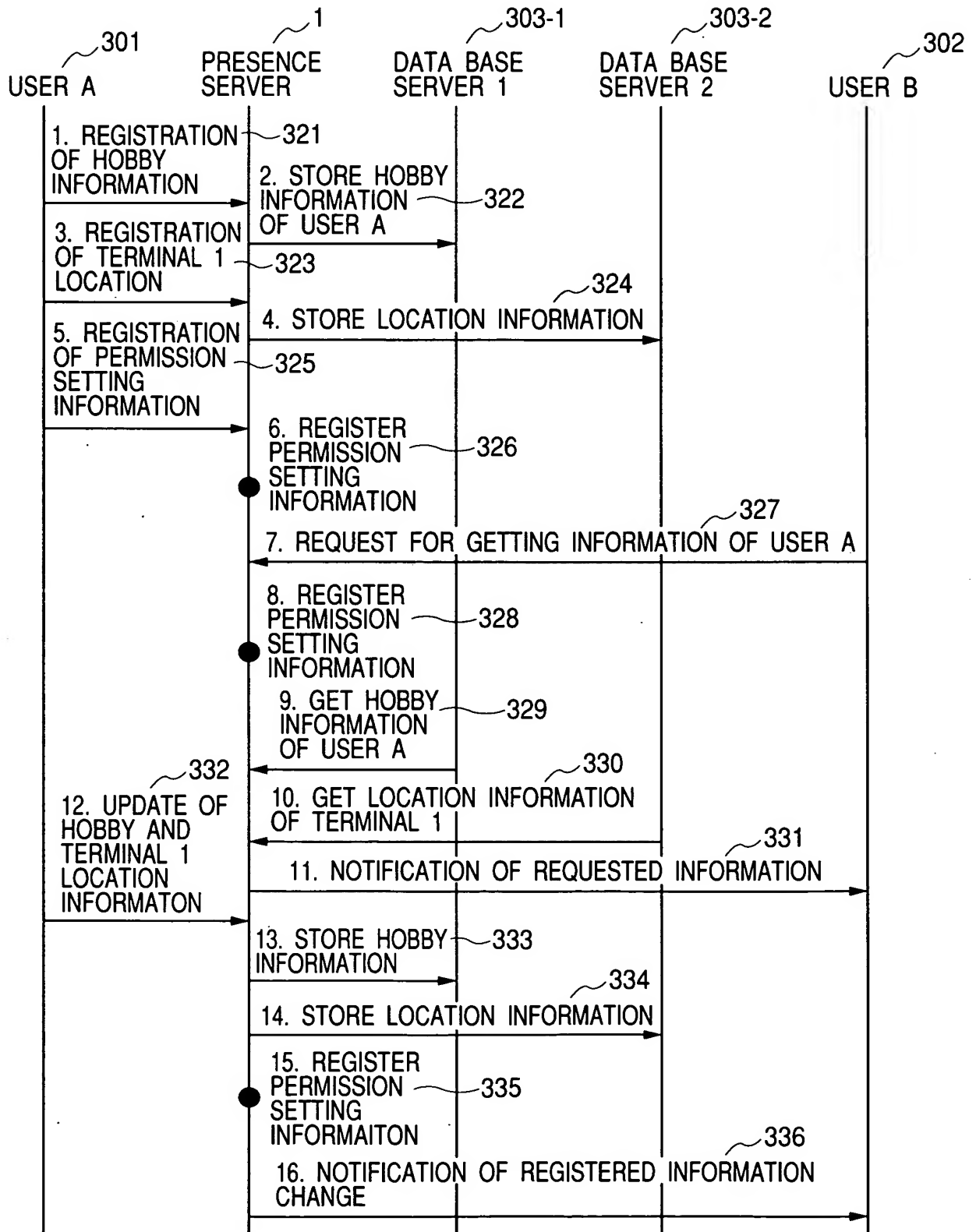
FIG. 24

FIG. 25

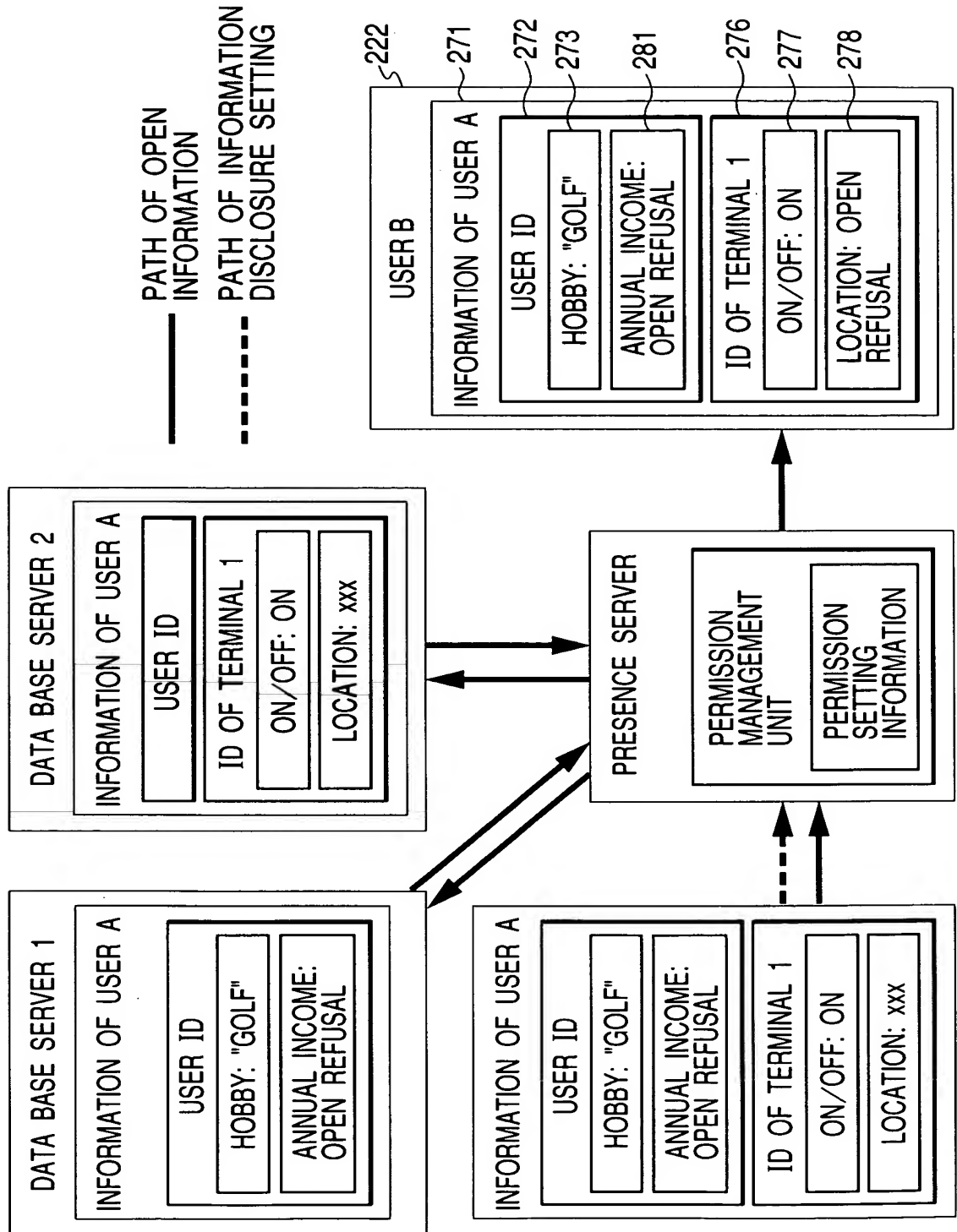


FIG. 26

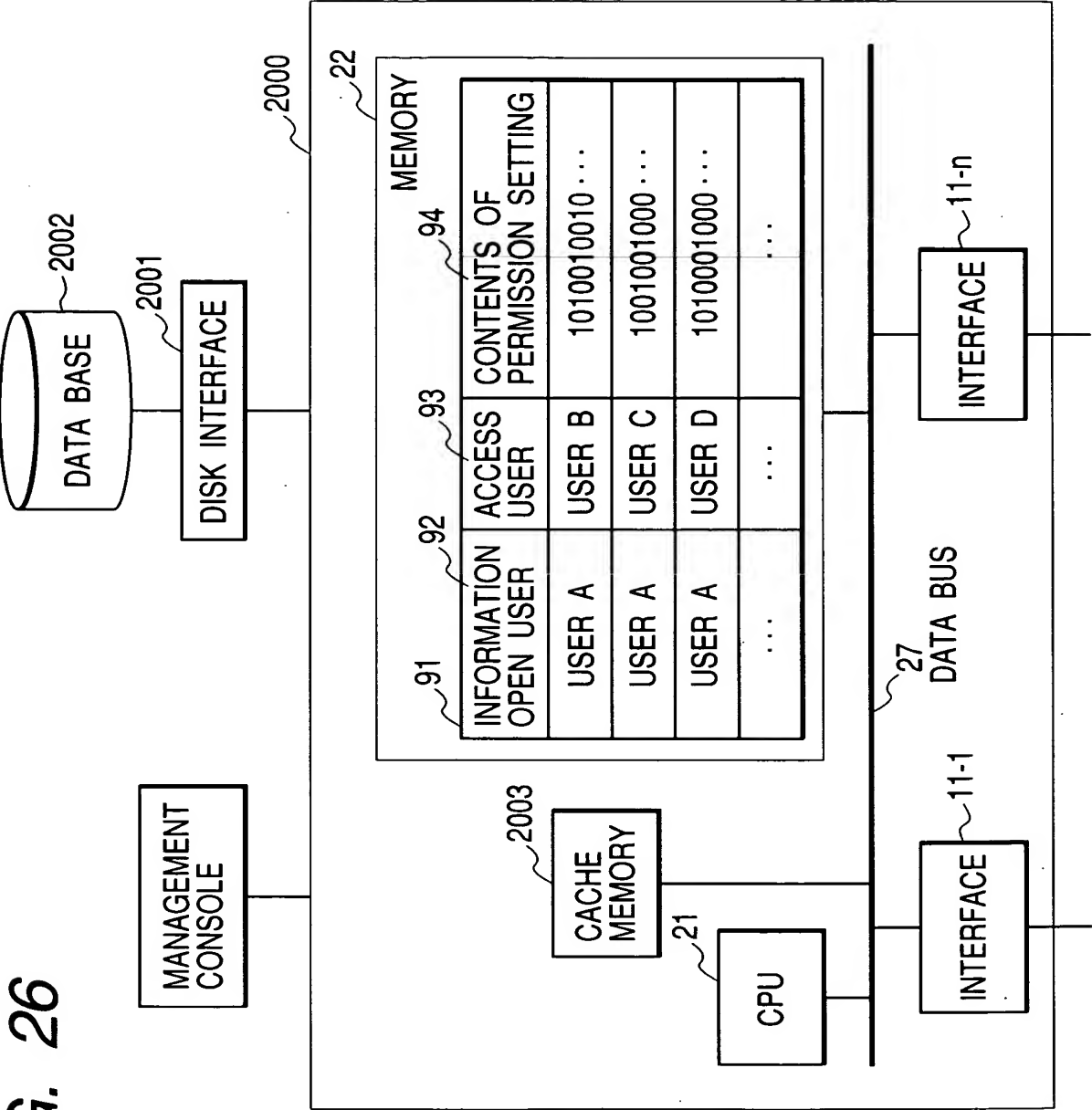
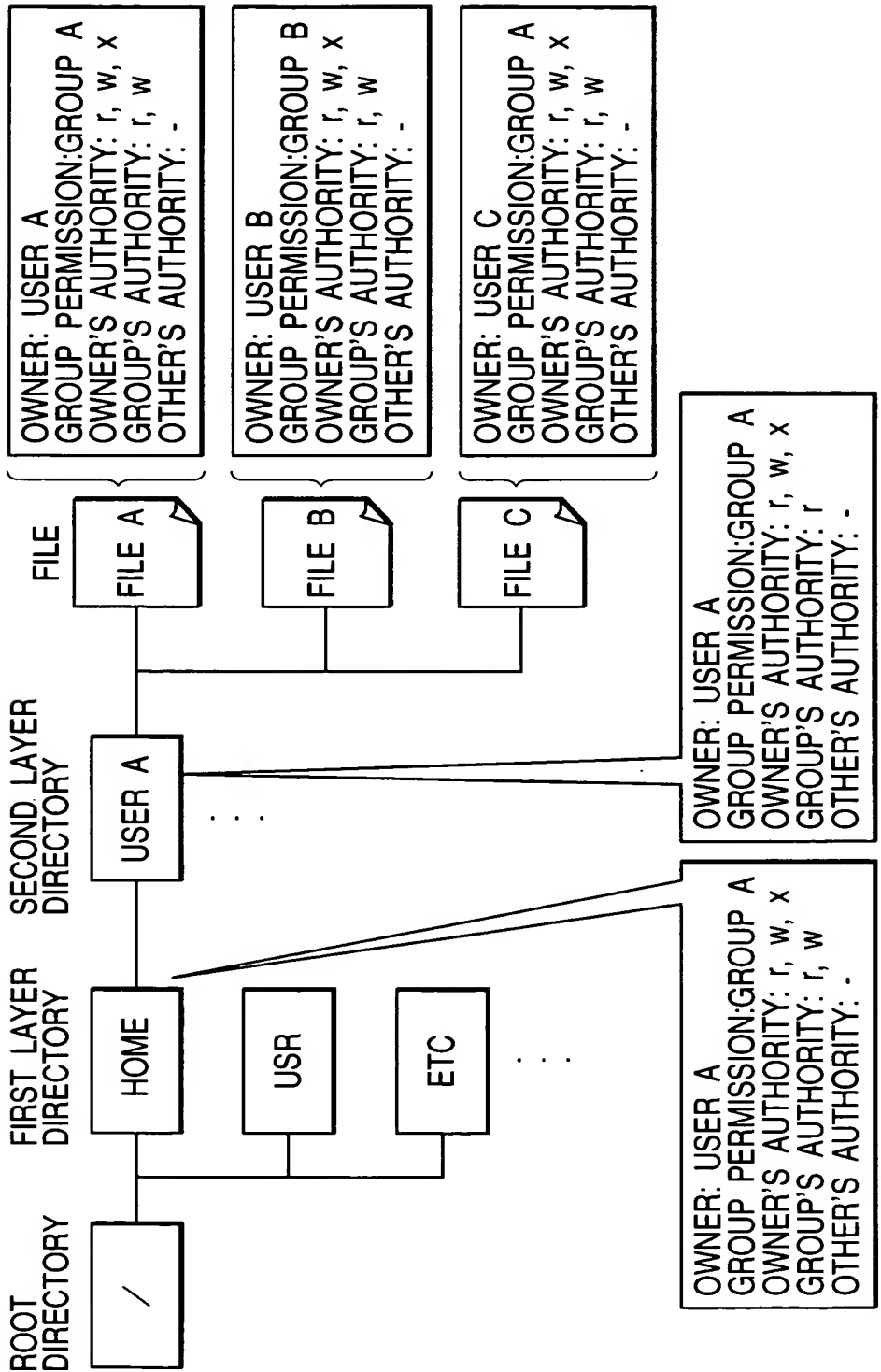


FIG. 27



* TYPE OF AUTHORITY

-: ALL ARE REFUSED, r: READ IS ALLOWED, w: WRITE IS ALLOWED, x: EXECUTION IS ALLOWED

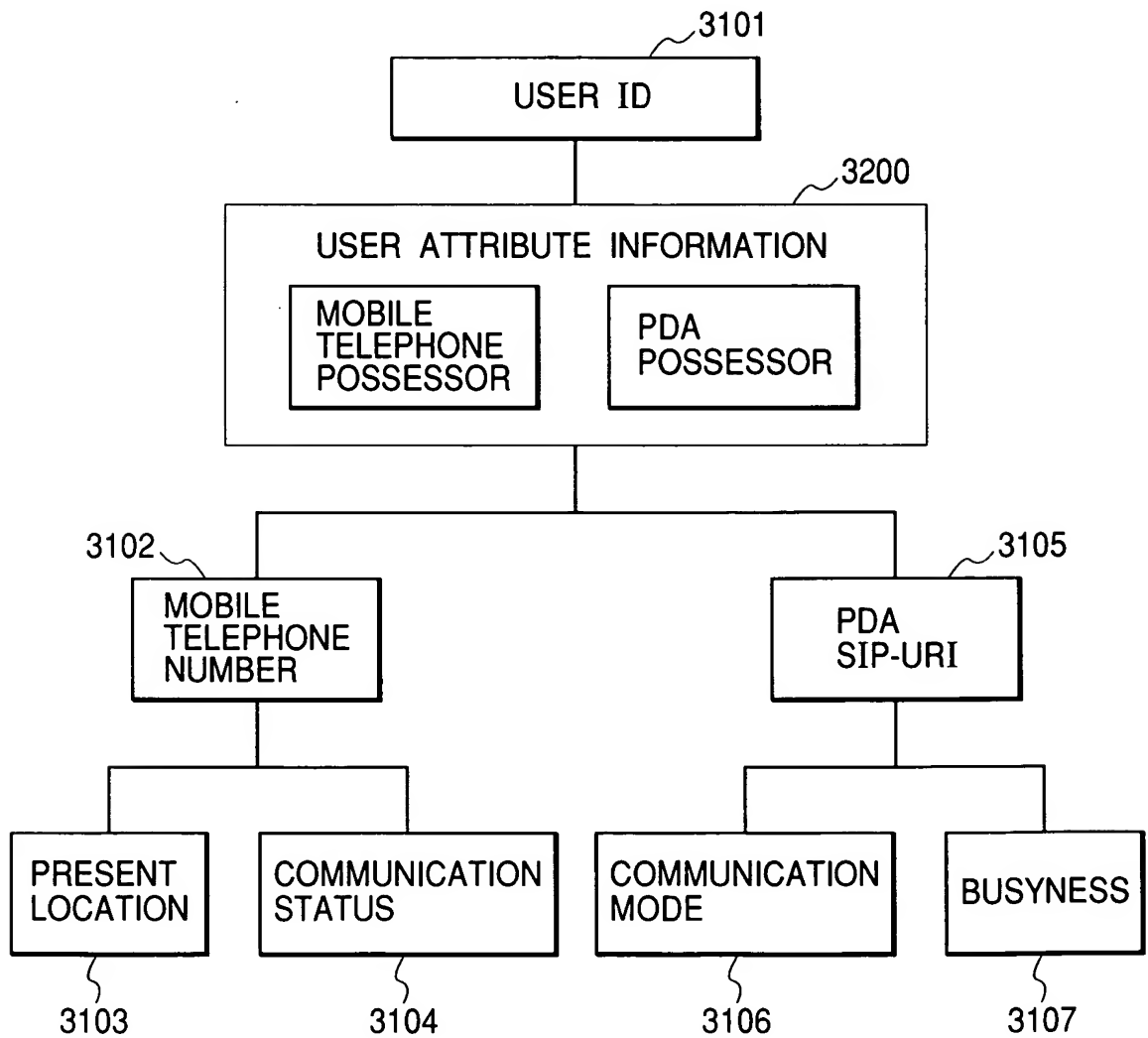
FIG. 28

FIG. 29

PERMISSION STATE OF USER A FOR USER B

3101	USER ID	OPEN PERMISSION, READ PERMISSION	3111
3102	MOBILE TELEPHONE NUMBER	OPEN REFUSAL, READ REFUSAL	3112
3103	MOBILE LOCATION INFORMATION	OPEN REFUSAL, READ REFUSAL, WRITE REFUSAL	3113
3104	MOBILE COMMUNICATION STATUS	OPEN REFUSAL, READ REFUSAL, WRITE REFUSAL	3114
3105	PDA SIP-URI	OPEN PERMISSION, READ PERMISSION	3115
3106	PDA BUSINESS	OPEN PERMISSION, READ PERMISSION	3116
3107	PDA COMMUNICATION MODE	OPEN PERMISSION, READ PERMISSION	3117

FIG. 30

PERMISSION STATE OF USER A FOR USER B AFTER PERMISSION
SETTING CHANGE

3101	USER ID	OPEN PERMISSION, READ PERMISSION	3111
3102	MOBILE TELEPHONE NUMBER	OPEN PERMISSION, READ PERMISSION	3112
3103	MOBILE LOCATION INFORMATION	OPEN PERMISSION, READ PERMISSION, WRITE REFUSAL	3113
3104	MOBILE COMMUNICATION STATUS	OPEN REFUSAL, READ REFUSAL, WRITE REFUSAL	3114
3105	PDA SIP-URI	OPEN PERMISSION, READ PERMISSION	3115
3106	PDA BUSYNESS	OPEN PERMISSION, READ PERMISSION	3116
3107	PDA COMMUNICATION MODE	OPEN PERMISSION, READ PERMISSION	3117

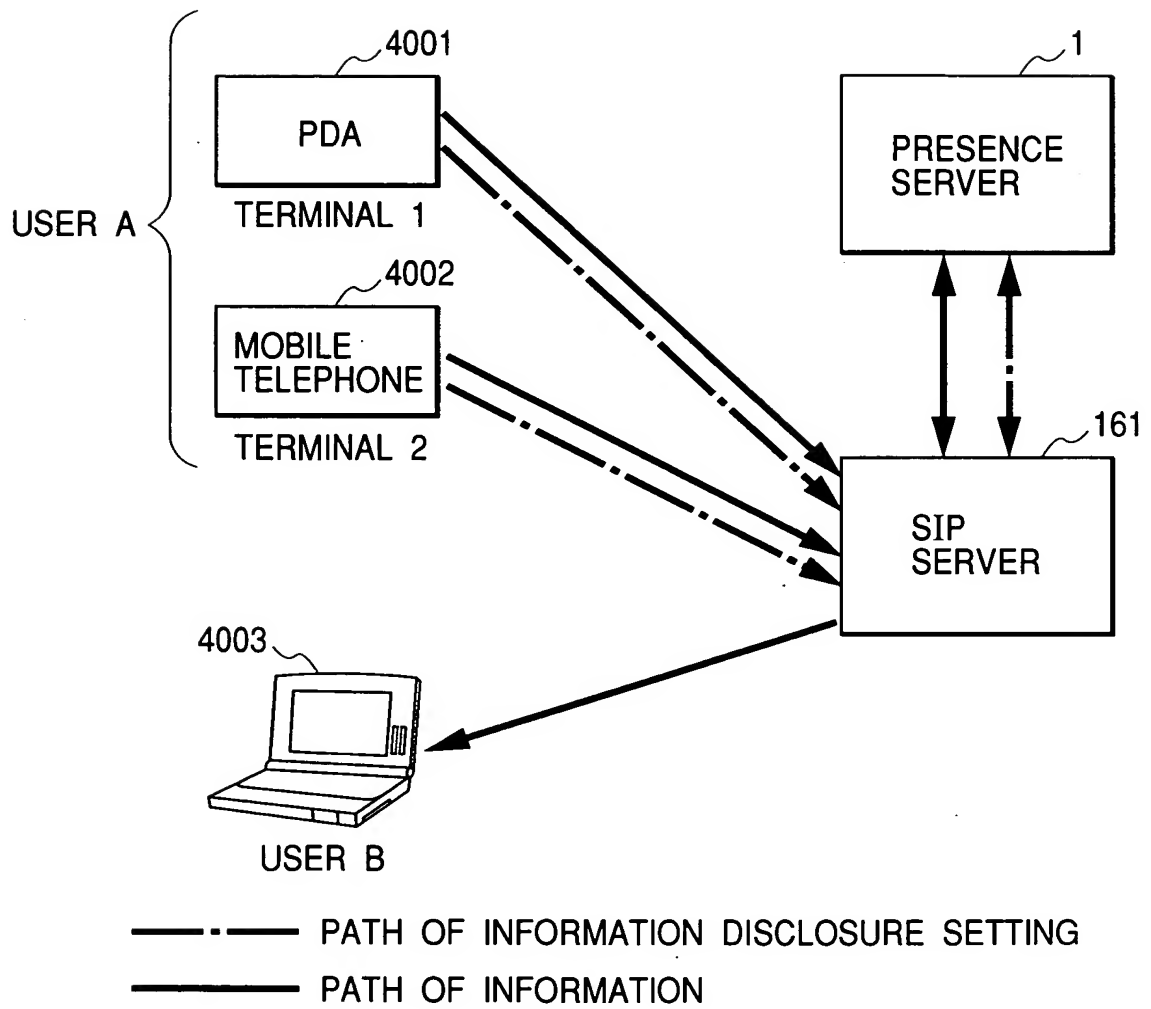
FIG. 31

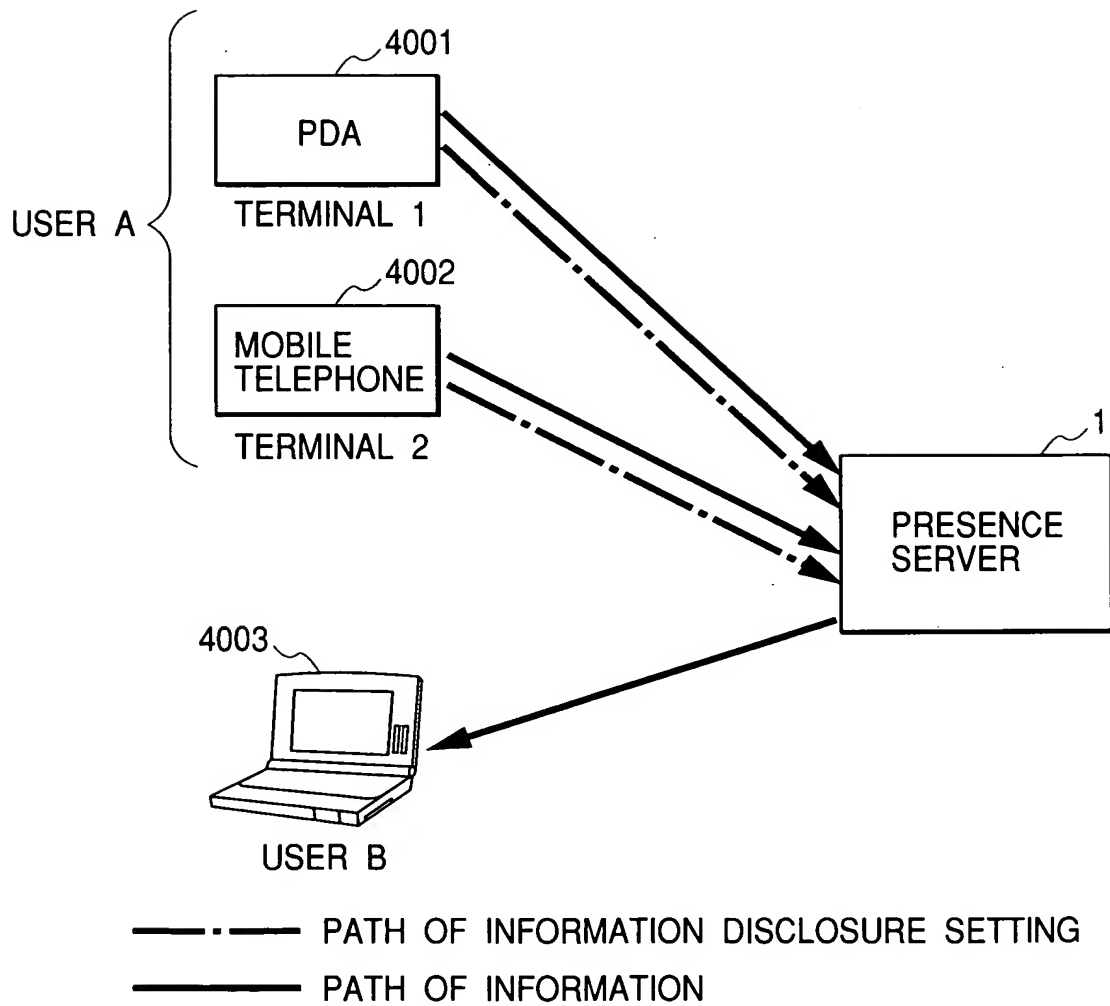
FIG. 32

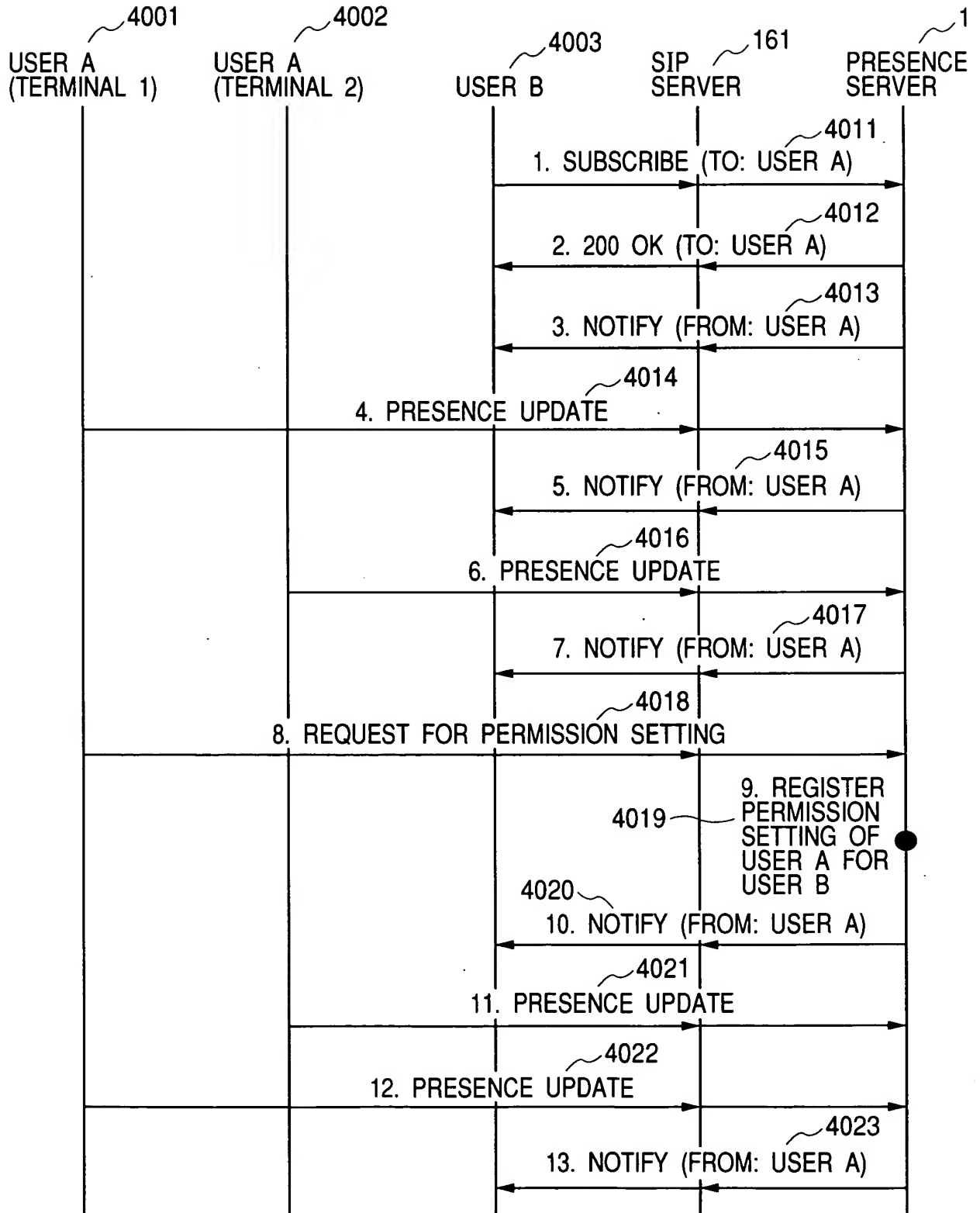
FIG. 33

FIG. 34

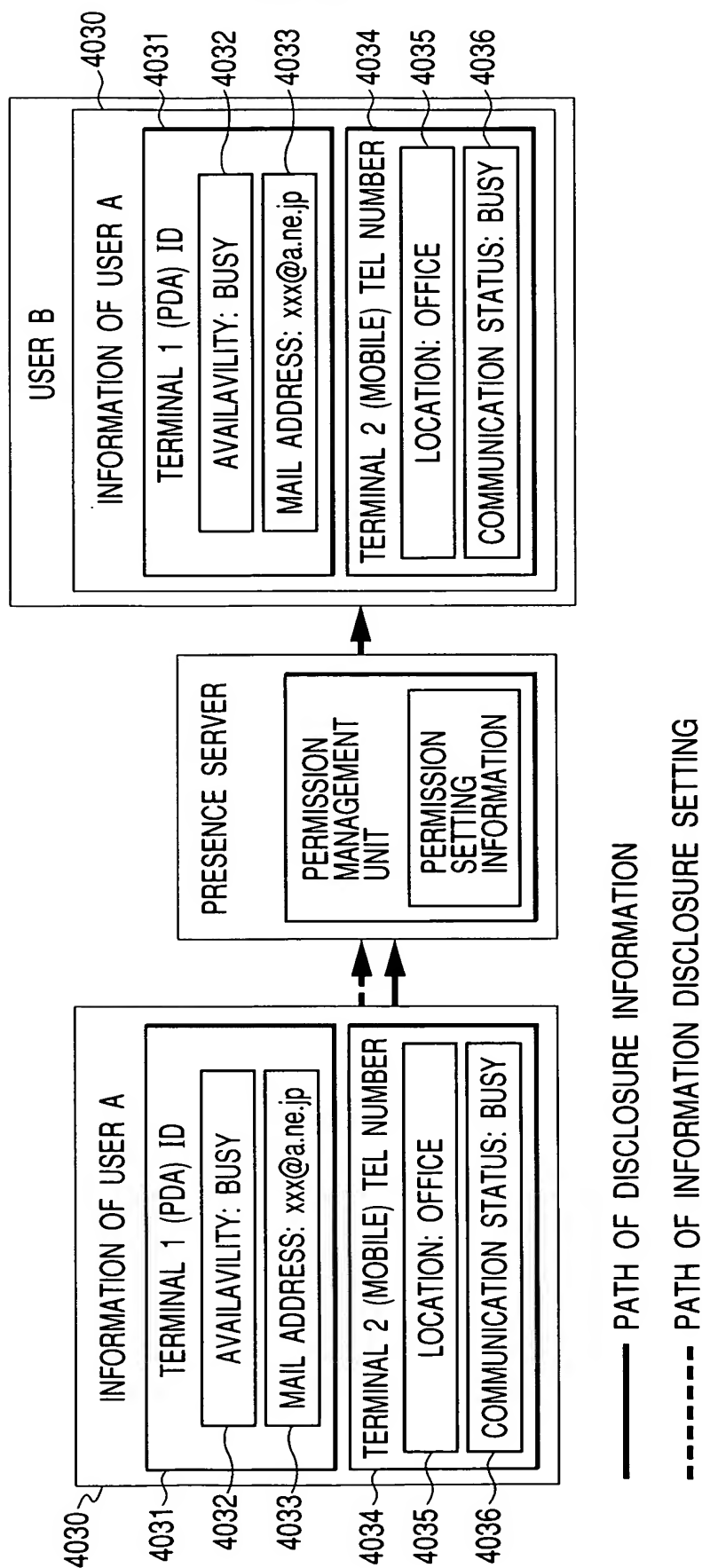


FIG. 35

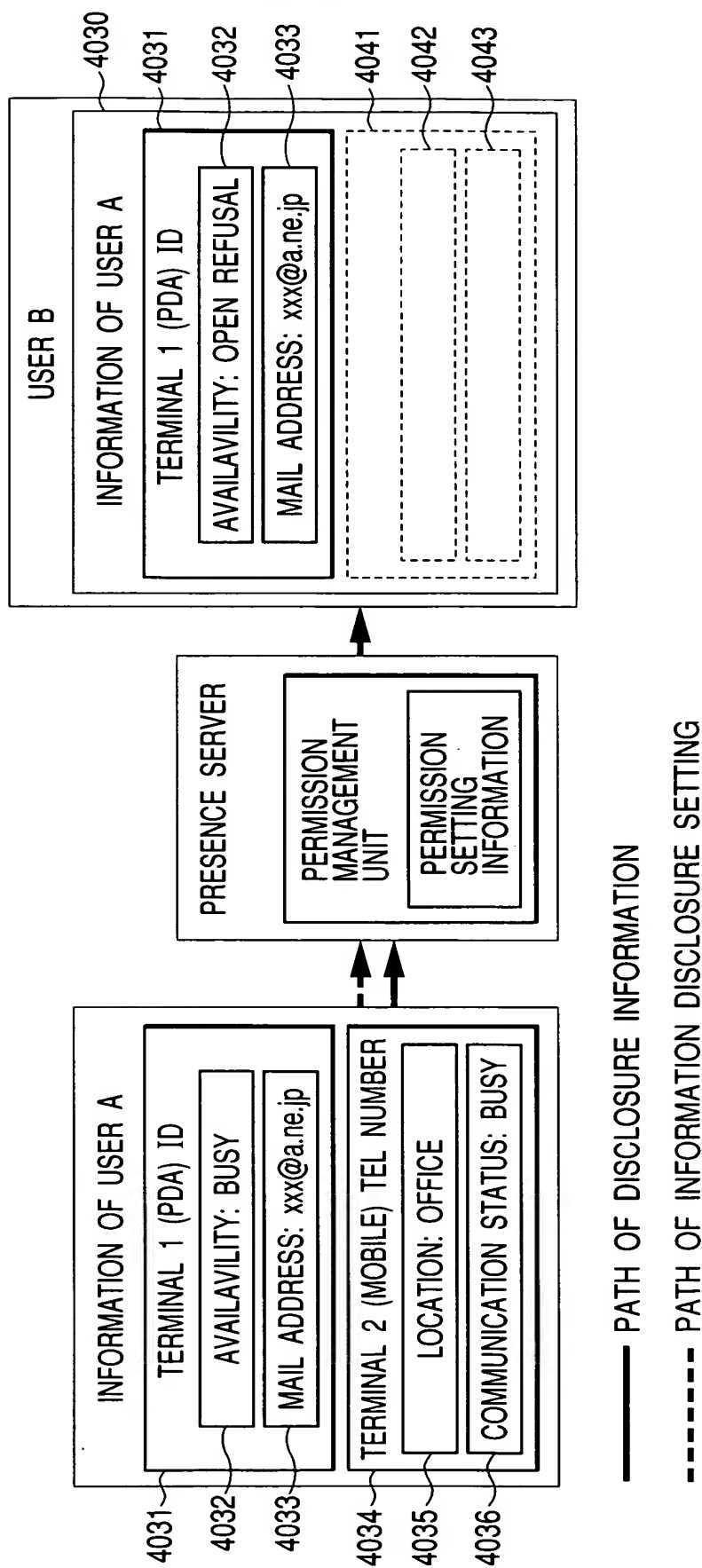


FIG. 36

PERMISSION STATE OF USER A FOR USER B

4101	USER ID	OPEN PERMISSION, READ PERMISSION	4111
4102	MOBILE TELEPHONE NUMBER	OPEN PERMISSION, READ PERMISSION	4112
4103	MOBILE LOCATION INFORMATION	OPEN PERMISSION, READ PERMISSION, WRITE REFUSAL	4113
4104	MOBILE COMMUNICATION STATUS	OPEN PERMISSION, READ PERMISSION, WRITE REFUSAL	4114
4105	PDA SIP-URI	OPEN PERMISSION, READ PERMISSION	4115
4106	PDA AVAILABILITY	OPEN PERMISSION, READ PERMISSION	4116
4107	PDA MAIL ADDRESS	OPEN PERMISSION, READ PERMISSION	4117

FIG. 37

PERMISSION STATE OF USER A FOR USER B AFTER PERMISSION
SETTING CHANGE

4101 ~	USER ID	OPEN PERMISSION, READ PERMISSION	4111 ~
4102 ~	MOBILE TELEPHONE NUMBER	OPEN REFUSAL, READ REFUSAL	4212 ~
4103 ~	MOBILE LOCATION INFORMATION	OPEN REFUSAL, READ REFUSAL, WRITE REFUSAL	4213 ~
4104 ~	MOBILE COMMUNICATION STATUS	OPEN REFUSAL, READ REFUSAL, WRITE REFUSAL	4214 ~
4105 ~	PDA SIP-URI	OPEN PERMISSION, READ PERMISSION	4115 ~
4106 ~	PDA BUSYNESS	OPEN PERMISSION, READ REFUSAL	4216 ~
4107 ~	PDA COMMUNICATION MODE	OPEN PERMISSION, READ PERMISSION	4117 ~

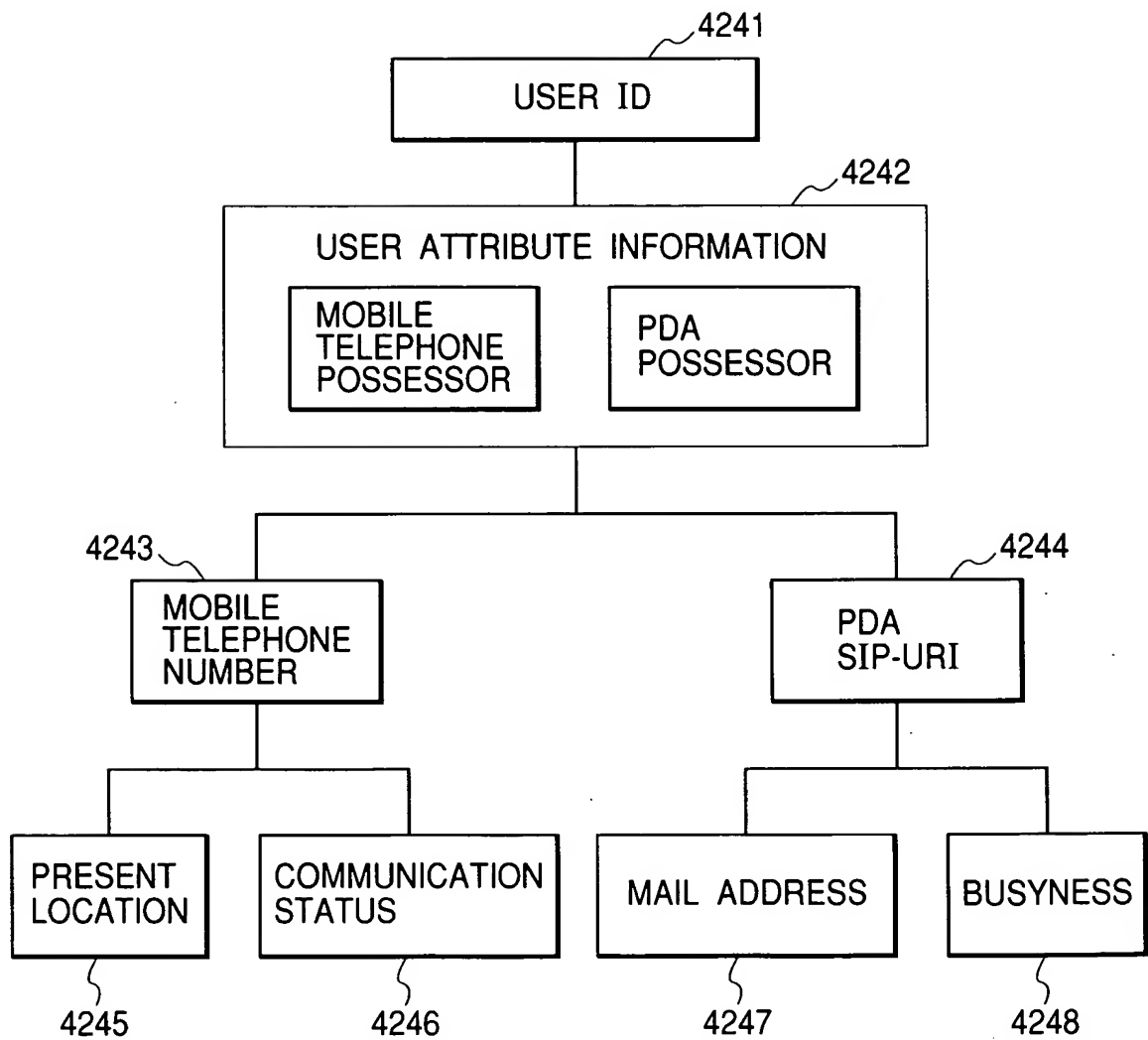
FIG. 38

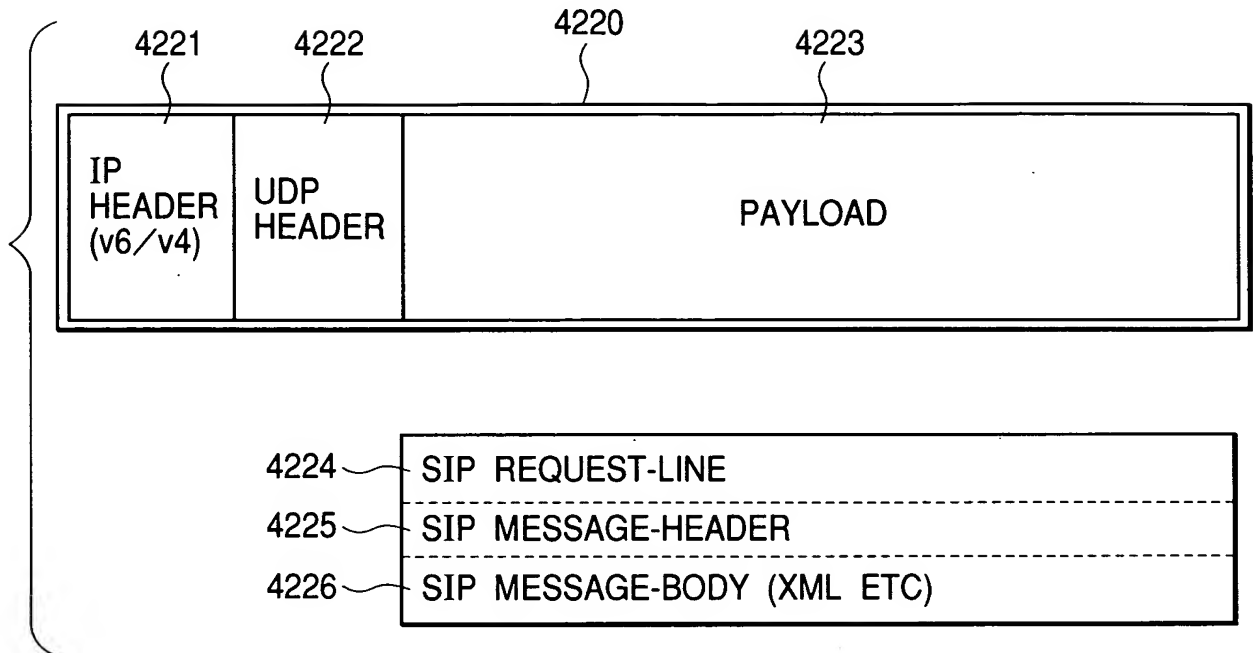
FIG. 39*FIG. 40*

FIG. 41

```
<?xml version="1.0"?>
<data-manipulation xmlns="urn:xxx.ne.jp" target="permission" type="set">
  <acl id="sip:UserA@a.ne.jp">
    <object-def id="1" type="agent" agent="cellerphone"/>
    <object-def id="2" type="agentpresence" identify="pda" presence="availability"/>
  </object-def>
</operate-def>
<operate-def>
  <flag id="1" operate="open"/>
  <flag id="2" operate="read"/>
  <flag id="3" operate="write"/>
</operate-def>
<subject type="identify" id="sip:UserB@a.ne.jp" operation="add">
  000 100
</subject>
</acl>
</data-manipulation>
```

4301 —

4302 —

4303 —

4304 —

4305 —